

Safety Data Sheet



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REF

30151132 Periostin ELISA Kit (Human)

Distributed by: IBL International GmbH
Flughafenstrasse 52a
22335 Hamburg, Germany

Always there for you



SAFETY DATA SHEET**1. IDENTIFICATION**

Chemical name	Periostin ELISA Kit (Human) Antibody-coated Plate
Reference number	PN-01-04-02E
Supplier's company name	Shino-Test Corporation
Address	4-1-93 Oonodai, Minami-ku, Sagamihara, Kanagawa 252-0331 Japan Sagamihara Production Center
Department	Regulatory Affairs Department
Phone number	+81-42-753-1142
Fax number	+81-42-753-3985
Classification of the product	Reagent
Recommended use	For laboratory use

2. HAZARDS IDENTIFICATION

GHS classification	Data corresponding to the GHS classification has not been obtained..
GHS label elements	None

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance/Mixture

Mixture

Chemical or generic name	Concentration or concentration ranges	Chemical formula	Reference number in gazette list in Japan		CAS number
			JCSCL number	ISHL number	
Sodium azide	<0.1%	NaN ₃	(1)-482		26628-22-8
Water and others	>99.9%				

4. FIRST-AID MEASURES

General advice	If the victim feels ill, get medical attention. Contact a physician immediately.
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Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

If the victim feels ill, contact a physician.

Skin contact

Remove contaminated clothes, rinse skin with plenty of water or shower.

Wash the skin with water and soap.

If skin irritation or rash occurs, get medical advice/attention.

Eye contact

If eye irritation continues, seek medical advice/attention.

Rinse cautiously with water for several minutes. And remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion

Contact a physician immediately.

Rinse mouth. Do NOT induce vomiting.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Water spray, mist water, general foam extinguisher, powder extinguisher, carbon dioxide, dry sand.

Use extinguishing media suitable for the fire around the product.

Unsuitable extinguishing media

Stream hosing.

Specific hazards

In case of extinguishing a fire, wear appropriate protective equipment so as not to inhale the smoke.

Specific means of extinction

Move container from fire area if it can be done without risk.

Cool containers with flooding quantities of water until well after fire is out.

In case of a major fire, use a nozzle with an unmanned hose retention device or a monitor to extinguish the fire. If this is not possible, evacuate from the site and leave the fire as it is.

Protection of fire fighters

In case of fire extinguishing operation, wear a self-contained-compressed air breathing apparatus and chemical protective cloth.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protection, and emergency measures

Keep unauthorized persons away from the area.

The worker shall wear appropriate protective equipment (refer to 8 “EXPOSURE CONTROLS/PERSONAL PROTECTION.”) to avoid inhalation or contact with the eyes and skin.

When the worker is not wearing appropriate protective clothing, the worker must not touch the damaged container or leaked product.

Environmental precautions

Be cautious not to discharge leaked product to rivers and affect the environment.

Methods and materials for containment and cleaning up

Stop leak if you can do it without risk.

When the amount of the leak is small, absorb it with dry soil, sand or noncombustible material, or recover it into an empty container that can be sealed by covering it. Dispose the absorbed or recovered product later.

Prevention of secondary hazards

Cover the site with plastic sheet to prevent scattering of the product.

7. HANDLING AND STORAGE

Handling

Technical measures

Refer to 8 “EXPOSURE CONTROLS/PERSONAL PROTECTION.”

Safe handling precautions

Do not consume food or drink, or smoke when using this product.

Wash hands thoroughly after handling.

Do not contact, inhale, or take in the product.

Use the product only in a well-ventilated area.

Avoid release to the environment.

Avoidance of Contact Hygiene measures

Refer to 10 “STABILITY AND REACTIVITY.”

Do not consume food or drink, or smoke when using this product.

Wash hands thoroughly after handling.

Storage

Conditions for safe storage

Keep containers tightly closed at 2-8°C

Safe packing material

Store in the original container of this product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits	No data
Technical facility controls	In the work area where this product is stored or handled, install an eye shower and safety shower.
Personal protective equipment	
Respiratory protection	Wear respiratory protective equipment.
Hand protection	Wear protective gloves.
Eye protection	Wear eye protective equipment.
Skin and body protection	Wear appropriate protective clothing and equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Physical state	Others (Mixture coated on plate)
	Color	Colorless
Odor		No data
Melting point/freezing point		No data
Boiling point, initial boiling point, and boiling range		No data
Flammability (Gas, liquid, solid)		No data
Upper/lower flammability of explosive limits		No data
Flash point		No data
Auto-ignition temperature		No data
Decomposition temperature		No data
pH		No data
Viscosity		No data
Solubility in water		No data
Solubility in organic solvent		No data
Partition coefficient, n-octanol/water		No data
Vapor pressure		No data
Specific gravity/relative density		No data
Vapor density		No data
Particle characteristics		No data

10. STABILITY AND REACTIVITY

Reactivity	No data
Chemical stability	No data
Possibility of hazardous reactions	No data
Conditions to avoid	No data

Reference No: PN-01-04-02E

Incompatible materials

No data

Hazardous decomposition products

No data

11. TOXICOLOGICAL INFORMATION

Acute toxicity (Oral)

Data corresponding to the GHS classification has not been obtained.

Acute toxicity (Dermal)

Data corresponding to the GHS classification has not been obtained.

Acute toxicity (Inhalation: gas)

Data corresponding to the GHS classification has not been obtained.

Skin corrosion/skin irritation

Data corresponding to the GHS classification has not been obtained.

Serious Eye Damage/Eye Irritation

Data corresponding to the GHS classification has not been obtained.

Respiratory or skin sensitization

Data corresponding to the GHS classification has not been obtained.

Germ cell mutagenicity

Data corresponding to the GHS classification has not been obtained.

Carcinogenicity

Data corresponding to the GHS classification has not been obtained.

Reproductive toxicity

Data corresponding to the GHS classification has not been obtained.

Specific target organ toxicity (Single exposure)

Data corresponding to the GHS classification has not been obtained.

Specific target organ toxicity (Repeated exposure)

Data corresponding to the GHS classification has not been obtained.

Aspiration hazard

Data corresponding to the GHS classification has not been obtained.

12. ECOLOGICAL INFORMATION

Hazardous to the aquatic environment (Acute)

Data corresponding to the GHS classification has not been obtained.

Hazardous to the aquatic environment (Chronic)

Data corresponding to the GHS classification has not been obtained.

Persistence and degradability

No data

Bioaccumulative potential

No data

Mobility in soil

No data

Hazardous to the ozone layer

No data

13. DISPOSAL CONSIDERATIONS

Information on safe and environmentally preferable methods of disposal practices or recycling.	[A small amount of residues] Flush with copious amount of water. [A large amount of residues] Inquire at official licensed waste disposal company. [Contaminated containers] Rinse with water and dispose of in accordance with local, regional, national regulations.
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14. TRANSPORT INFORMATION

UN number	Not Applicable
Proper shipping name	Not Applicable
UN Classification	Not Applicable
Subsidiary hazard class	Not Applicable
packing group	Not Applicable
Safety measure	Refer to 7 “HANDLING AND STORAGE”. Before transporting, confirm no breakage of container, no corrosion and no leakage. Load containers so that prevent falling, dropping and breakage. Ensure the prevention of cargo collapse.
Domestic regulations	Ship Safety Act Not Applicable Civil Aeronautics Act Not Applicable

15. REGULATORY INFORMATION

This SDS has been prepared in accordance with the requirements of Japanese laws and regulations. The following list does not contain laws of other countries.

Poisonous and Deleterious Substances Control Act	Not Applicable
Industrial Safety and Health Act	Not Applicable
Act on the Assessment of Releases of Specified Chemical Substances in the Environment and the Promotion of Management Improvement (Pollutant Release and Transfer Register)	Not Applicable
Fire Service Act	Not Applicable

Reference No: PN-01-04-02E

Water Pollution Prevention Act (Harmful Substances) Not Applicable

Soil Contamination Countermeasures Act Not Applicable

16. OTHER INFORMATION

References

- Globally Harmonized System of classification and labelling of chemicals, UN
- Recommendations on the TRANSPORT OF DANGEROUS GOODS 21th edit., 2019 UN
- IMDG Code, 2018 Edition (Incorporating Amendment 39-18)
- IATA Dangerous Goods Regulations 62th Edition (2021)
- 2020 EMERGENCY RESPONSE GUIDEBOOK (US DOT)
- 2021 TLVs and BEIs. (ACGIH)
- Classification of chemicals based on "Globally Harmonized System of Classification and Labelling of Chemicals (GHS)" JIS Z 7252:2019
- Hazard communication of chemicals based on GHS -- Labelling and Safety Data Sheet (SDS) JIS Z 7253:2019
- 2021 Recommendation of Occupational Exposure Limits (Japanese Society of Occupational Health)

Disclaimer

- This SDS is designed to comply with JIS Z 7253:2019 and the GHS classifications above are according to JIS Z 7252.
- The information conveyed in this SDS is only a representation of what Shino-Test Corporation has found to be accurate based on the current information obtained from the literature. Shino-Test Corporation makes no warranty, expressed or implied, with respect to such information.
- This SDS has been prepared in accordance with the requirements of Japanese laws and regulations.

SAFETY DATA SHEET

1. IDENTIFICATION

Chemical name	Periostin ELISA Kit (Human) POD Conjugate (lyophilized)
Reference number	PN-02-04-02E
Supplier's company name	Shino-Test Corporation
Address	4-1-93 Oonodai, Minami-ku, Sagamihara, Kanagawa 252-0331 Japan Sagamihara Production Center
Department	Regulatory Affairs Department
Phone number	+81-42-753-1142
Fax number	+81-42-753-3985
Classification of the product	Reagent
Recommended use	For laboratory use

2. HAZARDS IDENTIFICATION

GHS classification	Data corresponding to the GHS classification has not been obtained..
GHS label elements	None

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance/Mixture	Mixture This product does not contain dangerous and hazardous substances exceeding the content specified by laws and regulations. (refer to 15 REGULATORY INFORMATION")
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4. FIRST-AID MEASURES

General advice	If the victim feels ill, get medical attention. Contact a physician immediately.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If the victim feels ill, contact a physician.

Reference No: PN-02-04-02E

Skin contact

Remove contaminated clothes, rinse skin with plenty of water or shower.

Wash the skin with water and soap.

If skin irritation or rash occurs, get medical advice/attention.

Eye contact

If eye irritation continues, seek medical advice/attention.

Rinse cautiously with water for several minutes. And remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion

Contact a physician immediately.

Rinse mouth. Do NOT induce vomiting.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Water spray, mist water, general foam extinguisher, powder extinguisher, carbon dioxide, dry sand.

Use extinguishing media suitable for the fire around the product.

Unsuitable extinguishing media

Stream hosing.

Specific hazards

In case of extinguishing a fire, wear appropriate protective equipment so as not to inhale the smoke.

Specific means of extinction

Move container from fire area if it can be done without risk.

Cool containers with flooding quantities of water until well after fire is out.

In case of a major fire, use a nozzle with an unmanned hose retention device or a monitor to extinguish the fire. If this is not possible, evacuate from the site and leave the fire as it is.

Protection of fire fighters

In case of fire extinguishing operation, wear a self-contained-compressed air breathing apparatus and chemical protective cloth.

6. ACCIDENTAL RELEASE MEASURES

Reference No: PN-02-04-02E

Personal precautions, protection, and emergency measures

Keep unauthorized persons away from the area.

The worker shall wear appropriate protective equipment (refer to 8 “EXPOSURE CONTROLS/PERSONAL PROTECTION.”) to avoid inhalation or contact with the eyes and skin.

When the worker is not wearing appropriate protective clothing, the worker must not touch the damaged container or leaked product.

Be cautious not to discharge leaked product to rivers and affect the environment.

Stop leak if you can do it without risk.

When the amount of the leak is small, absorb it with dry soil, sand or noncombustible material, or recover it into an empty container that can be sealed by covering it. Dispose the absorbed or recovered product later.

Cover the site with plastic sheet to prevent scattering of the product.

Environmental precautions

Methods and materials for containment and cleaning up

Prevention of secondary hazards

7. HANDLING AND STORAGE

Handling

Technical measures

Refer to 8 “EXPOSURE CONTROLS/PERSONAL PROTECTION.”

Safe handling precautions

Do not consume food or drink, or smoke when using this product.

Wash hands thoroughly after handling.

Do not contact, inhale, or take in the product.

Use the product only in a well-ventilated area.

Avoid release to the environment.

Avoidance of Contact Hygiene measures

Refer to 10 “STABILITY AND REACTIVITY.”

Do not consume food or drink, or smoke when using this product.

Wash hands thoroughly after handling.

Storage

Conditions for safe storage

Keep containers tightly closed at 2-8°C

Safe packing material

Store in the original container of this product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits	No data
Technical facility controls	In the work area where this product is stored or handled, install an eye shower and safety shower.
Personal protective equipment	
Respiratory protection	Wear respiratory protective equipment.
Hand protection	Wear protective gloves.
Eye protection	Wear eye protective equipment.
Skin and body protection	Wear appropriate protective clothing and equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Physical state	Solid (lyophilized cake)
	Color	White
Odor		No data
Melting point/freezing point		No data
Boiling point, initial boiling point, and boiling range		No data
Flammability (Gas, liquid, solid)		No data
Upper/lower flammability of explosive limits		No data
Flash point		No data
Auto-ignition temperature		No data
Decomposition temperature		No data
pH		No data
Viscosity		No data
Solubility in water		No data
Solubility in organic solvent		No data
Partition coefficient, n-octanol/water		No data
Vapor pressure		No data
Specific gravity/relative density		No data
Vapor density		No data
Particle characteristics		No data

10. STABILITY AND REACTIVITY

Reactivity	No data
Chemical stability	No data
Possibility of hazardous reactions	No data
Conditions to avoid	No data
Incompatible materials	No data

Reference No: PN-02-04-02E

Hazardous decomposition products

No data

11. TOXICOLOGICAL INFORMATION

Acute toxicity (Oral)

Data corresponding to the GHS classification has not been obtained.

Acute toxicity (Dermal)

Data corresponding to the GHS classification has not been obtained.

Acute toxicity (Inhalation: gas)

Data corresponding to the GHS classification has not been obtained.

Skin corrosion/skin irritation

Data corresponding to the GHS classification has not been obtained.

Serious Eye Damage/Eye Irritation

Data corresponding to the GHS classification has not been obtained.

Respiratory or skin sensitization

Data corresponding to the GHS classification has not been obtained.

Germ cell mutagenicity

Data corresponding to the GHS classification has not been obtained.

Carcinogenicity

Data corresponding to the GHS classification has not been obtained.

Reproductive toxicity

Data corresponding to the GHS classification has not been obtained.

Specific target organ toxicity (Single exposure)

Data corresponding to the GHS classification has not been obtained.

Specific target organ toxicity (Repeated exposure)

Data corresponding to the GHS classification has not been obtained.

Aspiration hazard

Data corresponding to the GHS classification has not been obtained.

12. ECOLOGICAL INFORMATION

Hazardous to the aquatic environment (Acute)

Data corresponding to the GHS classification has not been obtained.

Hazardous to the aquatic environment (Chronic)

Data corresponding to the GHS classification has not been obtained.

Persistence and degradability

No data

Bioaccumulative potential

No data

Mobility in soil

No data

Hazardous to the ozone layer

No data

13. DISPOSAL CONSIDERATIONS

Information on safe and environmentally preferable methods of disposal practices or recycling.	[A small amount of residues] Flush with copious amount of water. [A large amount of residues] Inquire at official licensed waste disposal company. [Contaminated containers] Rinse with water and dispose of in accordance with local, regional, national regulations.
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14. TRANSPORT INFORMATION

UN number	Not Applicable
Proper shipping name	Not Applicable
UN Classification	Not Applicable
Subsidiary hazard class	Not Applicable
packing group	Not Applicable
Safety measure	Refer to 7 “HANDLING AND STORAGE”. Before transporting, confirm no breakage of container, no corrosion and no leakage. Load containers so that prevent falling, dropping and breakage. Ensure the prevention of cargo collapse.
Domestic regulations	Ship Safety Act Not Applicable Civil Aeronautics Act Not Applicable

15. REGULATORY INFORMATION

This SDS has been prepared in accordance with the requirements of Japanese laws and regulations. The following list does not contain laws of other countries.

Poisonous and Deleterious Substances Control Act	Not Applicable
Industrial Safety and Health Act	Not Applicable
Act on the Assessment of Releases of Specified Chemical Substances in the Environment and the Promotion of Management Improvement (Pollutant Release and Transfer Register)	Not Applicable
Fire Service Act	Not Applicable

Reference No: PN-02-04-02E

Water Pollution Prevention Act (Harmful Substances) Not Applicable

Soil Contamination Countermeasures Act Not Applicable

16. OTHER INFORMATION

References

- Globally Harmonized System of classification and labelling of chemicals, UN
- Recommendations on the TRANSPORT OF DANGEROUS GOODS 21th edit., 2019 UN
- IMDG Code, 2018 Edition (Incorporating Amendment 39-18)
- IATA Dangerous Goods Regulations 62th Edition (2021)
- 2020 EMERGENCY RESPONSE GUIDEBOOK (US DOT)
- 2021 TLVs and BEIs. (ACGIH)
- Classification of chemicals based on "Globally Harmonized System of Classification and Labelling of Chemicals (GHS)" JIS Z 7252:2019
- Hazard communication of chemicals based on GHS -- Labelling and Safety Data Sheet (SDS) JIS Z 7253:2019
- 2021 Recommendation of Occupational Exposure Limits (Japanese Society of Occupational Health)

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- The information conveyed in this SDS is only a representation of what Shino-Test Corporation has found to be accurate based on the current information obtained from the literature. Shino-Test Corporation makes no warranty, expressed or implied, with respect to such information.
- This SDS has been prepared in accordance with the requirements of Japanese laws and regulations.

SAFETY DATA SHEET

1. IDENTIFICATION

Chemical name	Periostin ELISA Kit (Human) Positive Control (lyophilized)
Reference number	PN-04-04-02E
Supplier's company name	Shino-Test Corporation
Address	4-1-93 Oonodai, Minami-ku, Sagamihara, Kanagawa 252-0331 Japan Sagamihara Production Center
Department	Regulatory Affairs Department
Phone number	+81-42-753-1142
Fax number	+81-42-753-3985
Classification of the product	Reagent
Recommended use	For laboratory use

2. HAZARDS IDENTIFICATION

GHS classification	Data corresponding to the GHS classification has not been obtained..
GHS label elements	None

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance/Mixture	Mixture This product does not contain dangerous and hazardous substances exceeding the content specified by laws and regulations. (refer to 15 REGULATORY INFORMATION")
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4. FIRST-AID MEASURES

General advice	If the victim feels ill, get medical attention. Contact a physician immediately.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If the victim feels ill, contact a physician.

Skin contact

Remove contaminated clothes, rinse skin with plenty of water or shower.

Wash the skin with water and soap.

If skin irritation or rash occurs, get medical advice/attention.

Eye contact

If eye irritation continues, seek medical advice/attention.

Rinse cautiously with water for several minutes. And remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion

Contact a physician immediately.

Rinse mouth. Do NOT induce vomiting.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Water spray, mist water, general foam extinguisher, powder extinguisher, carbon dioxide, dry sand.

Use extinguishing media suitable for the fire around the product.

Unsuitable extinguishing media

Stream hosing.

Specific hazards

In case of extinguishing a fire, wear appropriate protective equipment so as not to inhale the smoke.

Specific means of extinction

Move container from fire area if it can be done without risk.

Cool containers with flooding quantities of water until well after fire is out.

In case of a major fire, use a nozzle with an unmanned hose retention device or a monitor to extinguish the fire. If this is not possible, evacuate from the site and leave the fire as it is.

Protection of fire fighters

In case of fire extinguishing operation, wear a self-contained-compressed air breathing apparatus and chemical protective cloth.

6. ACCIDENTAL RELEASE MEASURES

Reference No: PN-04-04-02E

Personal precautions, protection, and emergency measures

Keep unauthorized persons away from the area.

The worker shall wear appropriate protective equipment (refer to 8 “EXPOSURE CONTROLS/PERSONAL PROTECTION.”) to avoid inhalation or contact with the eyes and skin.

When the worker is not wearing appropriate protective clothing, the worker must not touch the damaged container or leaked product.

Be cautious not to discharge leaked product to rivers and affect the environment.

Stop leak if you can do it without risk.

When the amount of the leak is small, absorb it with dry soil, sand or noncombustible material, or recover it into an empty container that can be sealed by covering it. Dispose the absorbed or recovered product later.

Cover the site with plastic sheet to prevent scattering of the product.

Environmental precautions

Methods and materials for containment and cleaning up

Prevention of secondary hazards

7. HANDLING AND STORAGE

Handling

Technical measures

Refer to 8 “EXPOSURE CONTROLS/PERSONAL PROTECTION.”

Safe handling precautions

Do not consume food or drink, or smoke when using this product.

Wash hands thoroughly after handling.

Do not contact, inhale, or take in the product.

Use the product only in a well-ventilated area.

Avoid release to the environment.

Avoidance of Contact Hygiene measures

Refer to 10 “STABILITY AND REACTIVITY.”

Do not consume food or drink, or smoke when using this product.

Wash hands thoroughly after handling.

Storage

Conditions for safe storage

Keep containers tightly closed at 2-8°C

Safe packing material

Store in the original container of this product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits	No data
Technical facility controls	In the work area where this product is stored or handled, install an eye shower and safety shower.
Personal protective equipment	
Respiratory protection	Wear respiratory protective equipment.
Hand protection	Wear protective gloves.
Eye protection	Wear eye protective equipment.
Skin and body protection	Wear appropriate protective clothing and equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Physical state	Solid (lyophilized cake)
	Color	White
Odor		No data
Melting point/freezing point		No data
Boiling point, initial boiling point, and boiling range		No data
Flammability (Gas, liquid, solid)		No data
Upper/lower flammability of explosive limits		No data
Flash point		No data
Auto-ignition temperature		No data
Decomposition temperature		No data
pH		No data
Viscosity		No data
Solubility in water		No data
Solubility in organic solvent		No data
Partition coefficient, n-octanol/water		No data
Vapor pressure		No data
Specific gravity/relative density		No data
Vapor density		No data
Particle characteristics		No data

10. STABILITY AND REACTIVITY

Reactivity	No data
Chemical stability	No data
Possibility of hazardous reactions	No data
Conditions to avoid	No data
Incompatible materials	No data

Reference No: PN-04-04-02E

Hazardous decomposition products

No data

11. TOXICOLOGICAL INFORMATION

Acute toxicity (Oral)

Data corresponding to the GHS classification has not been obtained.

Acute toxicity (Dermal)

Data corresponding to the GHS classification has not been obtained.

Acute toxicity (Inhalation: gas)

Data corresponding to the GHS classification has not been obtained.

Skin corrosion/skin irritation

Data corresponding to the GHS classification has not been obtained.

Serious Eye Damage/Eye Irritation

Data corresponding to the GHS classification has not been obtained.

Respiratory or skin sensitization

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Germ cell mutagenicity

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Carcinogenicity

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Reproductive toxicity

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Specific target organ toxicity (Single exposure)

Data corresponding to the GHS classification has not been obtained.

Specific target organ toxicity (Repeated exposure)

Data corresponding to the GHS classification has not been obtained.

Aspiration hazard

Data corresponding to the GHS classification has not been obtained.

12. ECOLOGICAL INFORMATION

Hazardous to the aquatic environment (Acute)

Data corresponding to the GHS classification has not been obtained.

Hazardous to the aquatic environment (Chronic)

Data corresponding to the GHS classification has not been obtained.

Persistence and degradability

No data

Bioaccumulative potential

No data

Mobility in soil

No data

Hazardous to the ozone layer

No data

13. DISPOSAL CONSIDERATIONS

Information on safe and environmentally preferable methods of disposal practices or recycling.	[A small amount of residues] Flush with copious amount of water. [A large amount of residues] Inquire at official licensed waste disposal company. [Contaminated containers] Rinse with water and dispose of in accordance with local, regional, national regulations.
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14. TRANSPORT INFORMATION

UN number	Not Applicable
Proper shipping name	Not Applicable
UN Classification	Not Applicable
Subsidiary hazard class	Not Applicable
packing group	
Safety measure	Refer to 7 "HANDLING AND STORAGE". Before transporting, confirm no breakage of container, no corrosion and no leakage. Load containers so that prevent falling, dropping and breakage. Ensure the prevention of cargo collapse.
Domestic regulations	Ship Safety Act Not Applicable Civil Aeronautics Act Not Applicable

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Industrial Safety and Health Act	Not Applicable
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Fire Service Act	Not Applicable

Reference No: PN-04-04-02E

Water Pollution Prevention Act (Harmful Substances) Not Applicable

Soil Contamination Countermeasures Act Not Applicable

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- This SDS has been prepared in accordance with the requirements of Japanese laws and regulations.

SAFETY DATA SHEET

1. IDENTIFICATION

Chemical name	Periostin ELISA Kit (Human) Standard (lyophilized)
Reference number	PN-03-04-02E
Supplier's company name	Shino-Test Corporation
Address	4-1-93 Oonodai, Minami-ku, Sagamihara, Kanagawa 252-0331 Japan Sagamihara Production Center
Department	Regulatory Affairs Department
Phone number	+81-42-753-1142
Fax number	+81-42-753-3985
Classification of the product	Reagent
Recommended use	For laboratory use

2. HAZARDS IDENTIFICATION

GHS classification	Data corresponding to the GHS classification has not been obtained..
GHS label elements	None

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance/Mixture	Mixture This product does not contain dangerous and hazardous substances exceeding the content specified by laws and regulations. (refer to 15 REGULATORY INFORMATION")
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4. FIRST-AID MEASURES

General advice	If the victim feels ill, get medical attention. Contact a physician immediately.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If the victim feels ill, contact a physician.

Skin contact

Remove contaminated clothes, rinse skin with plenty of water or shower.

Wash the skin with water and soap.

If skin irritation or rash occurs, get medical advice/attention.

Eye contact

If eye irritation continues, seek medical advice/attention.

Rinse cautiously with water for several minutes. And remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion

Contact a physician immediately.

Rinse mouth. Do NOT induce vomiting.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Water spray, mist water, general foam extinguisher, powder extinguisher, carbon dioxide, dry sand.

Use extinguishing media suitable for the fire around the product.

Unsuitable extinguishing media

Stream hosing.

Specific hazards

In case of extinguishing a fire, wear appropriate protective equipment so as not to inhale the smoke.

Specific means of extinction

Move container from fire area if it can be done without risk.

Cool containers with flooding quantities of water until well after fire is out.

In case of a major fire, use a nozzle with an unmanned hose retention device or a monitor to extinguish the fire. If this is not possible, evacuate from the site and leave the fire as it is.

Protection of fire fighters

In case of fire extinguishing operation, wear a self-contained-compressed air breathing apparatus and chemical protective cloth.

6. ACCIDENTAL RELEASE MEASURES

Reference No: PN-03-04-02E

Personal precautions, protection, and emergency measures

Keep unauthorized persons away from the area.

The worker shall wear appropriate protective equipment (refer to 8 “EXPOSURE CONTROLS/PERSONAL PROTECTION.”) to avoid inhalation or contact with the eyes and skin.

When the worker is not wearing appropriate protective clothing, the worker must not touch the damaged container or leaked product.

Be cautious not to discharge leaked product to rivers and affect the environment.

Stop leak if you can do it without risk.

When the amount of the leak is small, absorb it with dry soil, sand or noncombustible material, or recover it into an empty container that can be sealed by covering it. Dispose the absorbed or recovered product later.

Cover the site with plastic sheet to prevent scattering of the product.

Environmental precautions

Methods and materials for containment and cleaning up

Prevention of secondary hazards

7. HANDLING AND STORAGE

Handling

Technical measures

Refer to 8 “EXPOSURE CONTROLS/PERSONAL PROTECTION.”

Safe handling precautions

Do not consume food or drink, or smoke when using this product.

Wash hands thoroughly after handling.

Do not contact, inhale, or take in the product.

Use the product only in a well-ventilated area.

Avoid release to the environment.

Avoidance of Contact Hygiene measures

Refer to 10 “STABILITY AND REACTIVITY.”

Do not consume food or drink, or smoke when using this product.

Wash hands thoroughly after handling.

Storage

Conditions for safe storage

Keep containers tightly closed at 2-8°C

Safe packing material

Store in the original container of this product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits	No data
Technical facility controls	In the work area where this product is stored or handled, install an eye shower and safety shower.
Personal protective equipment	
Respiratory protection	Wear respiratory protective equipment.
Hand protection	Wear protective gloves.
Eye protection	Wear eye protective equipment.
Skin and body protection	Wear appropriate protective clothing and equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Physical state	Solid (lyophilized cake)
	Color	White
Odor		No data
Melting point/freezing point		No data
Boiling point, initial boiling point, and boiling range		No data
Flammability (Gas, liquid, solid)		No data
Upper/lower flammability of explosive limits		No data
Flash point		No data
Auto-ignition temperature		No data
Decomposition temperature		No data
pH		No data
Viscosity		No data
Solubility in water		No data
Solubility in organic solvent		No data
Partition coefficient, n-octanol/water		No data
Vapor pressure		No data
Specific gravity/relative density		No data
Vapor density		No data
Particle characteristics		No data

10. STABILITY AND REACTIVITY

Reactivity	No data
Chemical stability	No data
Possibility of hazardous reactions	No data
Conditions to avoid	No data
Incompatible materials	No data

Reference No: PN-03-04-02E

Hazardous decomposition products

No data

11. TOXICOLOGICAL INFORMATION

Acute toxicity (Oral)

Data corresponding to the GHS classification has not been obtained.

Acute toxicity (Dermal)

Data corresponding to the GHS classification has not been obtained.

Acute toxicity (Inhalation: gas)

Data corresponding to the GHS classification has not been obtained.

Skin corrosion/skin irritation

Data corresponding to the GHS classification has not been obtained.

Serious Eye Damage/Eye Irritation

Data corresponding to the GHS classification has not been obtained.

Respiratory or skin sensitization

Data corresponding to the GHS classification has not been obtained.

Germ cell mutagenicity

Data corresponding to the GHS classification has not been obtained.

Carcinogenicity

Data corresponding to the GHS classification has not been obtained.

Reproductive toxicity

Data corresponding to the GHS classification has not been obtained.

Specific target organ toxicity (Single exposure)

Data corresponding to the GHS classification has not been obtained.

Specific target organ toxicity (Repeated exposure)

Data corresponding to the GHS classification has not been obtained.

Aspiration hazard

Data corresponding to the GHS classification has not been obtained.

12. ECOLOGICAL INFORMATION

Hazardous to the aquatic environment (Acute)

Data corresponding to the GHS classification has not been obtained.

Hazardous to the aquatic environment (Chronic)

Data corresponding to the GHS classification has not been obtained.

Persistence and degradability

No data

Bioaccumulative potential

No data

Mobility in soil

No data

Hazardous to the ozone layer

No data

13. DISPOSAL CONSIDERATIONS

Information on safe and environmentally preferable methods of disposal practices or recycling.	[A small amount of residues] Flush with copious amount of water. [A large amount of residues] Inquire at official licensed waste disposal company. [Contaminated containers] Rinse with water and dispose of in accordance with local, regional, national regulations.
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14. TRANSPORT INFORMATION

UN number	Not Applicable
Proper shipping name	Not Applicable
UN Classification	Not Applicable
Subsidiary hazard class	Not Applicable
packing group	Not Applicable
Safety measure	Refer to 7 "HANDLING AND STORAGE". Before transporting, confirm no breakage of container, no corrosion and no leakage. Load containers so that prevent falling, dropping and breakage. Ensure the prevention of cargo collapse.
Domestic regulations	Ship Safety Act Not Applicable Civil Aeronautics Act Not Applicable

15. REGULATORY INFORMATION

This SDS has been prepared in accordance with the requirements of Japanese laws and regulations. The following list does not contain laws of other countries.

Poisonous and Deleterious Substances Control Act	Not Applicable
Industrial Safety and Health Act	Not Applicable
Act on the Assessment of Releases of Specified Chemical Substances in the Environment and the Promotion of Management Improvement (Pollutant Release and Transfer Register)	Not Applicable
Fire Service Act	Not Applicable

Reference No: PN-03-04-02E

Water Pollution Prevention Act (Harmful Substances) Not Applicable

Soil Contamination Countermeasures Act Not Applicable

16. OTHER INFORMATION

References

- Globally Harmonized System of classification and labelling of chemicals, UN
- Recommendations on the TRANSPORT OF DANGEROUS GOODS 21th edit., 2019 UN
- IMDG Code, 2018 Edition (Incorporating Amendment 39-18)
- IATA Dangerous Goods Regulations 62th Edition (2021)
- 2020 EMERGENCY RESPONSE GUIDEBOOK (US DOT)
- 2021 TLVs and BEIs. (ACGIH)
- Classification of chemicals based on "Globally Harmonized System of Classification and Labelling of Chemicals (GHS)" JIS Z 7252:2019
- Hazard communication of chemicals based on GHS -- Labelling and Safety Data Sheet (SDS) JIS Z 7253:2019
- 2021 Recommendation of Occupational Exposure Limits (Japanese Society of Occupational Health)

Disclaimer

- This SDS is designed to comply with JIS Z 7253:2019 and the GHS classifications above are according to JIS Z 7252.
- The information conveyed in this SDS is only a representation of what Shino-Test Corporation has found to be accurate based on the current information obtained from the literature. Shino-Test Corporation makes no warranty, expressed or implied, with respect to such information.
- This SDS has been prepared in accordance with the requirements of Japanese laws and regulations.

SAFETY DATA SHEET**1. IDENTIFICATION**

Chemical name	Periostin ELISA Kit (Human) Sample Diluent
Reference number	PN-05-04-01E
Supplier's company name	Shino-Test Corporation
Address	4-1-93 Oonodai, Minami-ku, Sagamihara, Kanagawa 252-0331 Japan Sagamihara Production Center
Department	Regulatory Affairs Department
Phone number	+81-42-753-1142
Fax number	+81-42-753-3985
Classification of the product	Reagent
Recommended use	For laboratory use

2. HAZARDS IDENTIFICATION

GHS classification	Data corresponding to the GHS classification has not been obtained..
GHS label elements	None

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance/Mixture

Mixture

Chemical or generic name	Concentration or concentration ranges	Chemical formula	Reference number in gazette list in Japan		CAS number
			JCSCL number	ISHL number	
Sodium azide	<0.1%	NaN ₃	(1)-482		26628-22-8
Water and others	>99.9%				

4. FIRST-AID MEASURES

General advice	If the victim feels ill, get medical attention. Contact a physician immediately.
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Reference No: PN-05-04-01E

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

If the victim feels ill, contact a physician.

Skin contact

Remove contaminated clothes, rinse skin with plenty of water or shower.

Wash the skin with water and soap.

If skin irritation or rash occurs, get medical advice/attention.

Eye contact

If eye irritation continues, seek medical advice/attention.

Rinse cautiously with water for several minutes. And remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion

Contact a physician immediately.

Rinse mouth. Do NOT induce vomiting.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Water spray, mist water, general foam extinguisher, powder extinguisher, carbon dioxide, dry sand.

Use extinguishing media suitable for the fire around the product.

Unsuitable extinguishing media

Stream hosing.

Specific hazards

In case of extinguishing a fire, wear appropriate protective equipment so as not to inhale the smoke.

Specific means of extinction

Move container from fire area if it can be done without risk.

Cool containers with flooding quantities of water until well after fire is out.

In case of a major fire, use a nozzle with an unmanned hose retention device or a monitor to extinguish the fire. If this is not possible, evacuate from the site and leave the fire as it is.

Protection of fire fighters

In case of fire extinguishing operation, wear a self-contained-compressed air breathing apparatus and chemical protective cloth.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protection, and emergency measures

Keep unauthorized persons away from the area.

The worker shall wear appropriate protective equipment (refer to 8 “EXPOSURE CONTROLS/PERSONAL PROTECTION.”) to avoid inhalation or contact with the eyes and skin.

When the worker is not wearing appropriate protective clothing, the worker must not touch the damaged container or leaked product.

Environmental precautions

Be cautious not to discharge leaked product to rivers and affect the environment.

Methods and materials for containment and cleaning up

Stop leak if you can do it without risk.

When the amount of the leak is small, absorb it with dry soil, sand or noncombustible material, or recover it into an empty container that can be sealed by covering it. Dispose the absorbed or recovered product later.

Prevention of secondary hazards

Cover the site with plastic sheet to prevent scattering of the product.

7. HANDLING AND STORAGE

Handling

Technical measures

Refer to 8 “EXPOSURE CONTROLS/PERSONAL PROTECTION.”

Safe handling precautions

Do not consume food or drink, or smoke when using this product.

Wash hands thoroughly after handling.

Do not contact, inhale, or take in the product.

Use the product only in a well-ventilated area.

Avoid release to the environment.

Avoidance of Contact Hygiene measures

Refer to 10 “STABILITY AND REACTIVITY.”

Do not consume food or drink, or smoke when using this product.

Wash hands thoroughly after handling.

Storage

Conditions for safe storage

Keep containers tightly closed at 2-8°C

Safe packing material

Store in the original container of this product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits	No data
Technical facility controls	In the work area where this product is stored or handled, install an eye shower and safety shower.
Personal protective equipment	
Respiratory protection	Wear respiratory protective equipment.
Hand protection	Wear protective gloves.
Eye protection	Wear eye protective equipment.
Skin and body protection	Wear appropriate protective clothing and equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Physical state	Liquid
	Color	White turbidity
Odor		No data
Melting point/freezing point		No data
Boiling point, initial boiling point, and boiling range		No data
Flammability (Gas, liquid, solid)		No data
Upper/lower flammability of explosive limits		No data
Flash point		No data
Auto-ignition temperature		No data
Decomposition temperature		No data
pH		7.9 - 8.0
Viscosity		No data
Solubility in water		No data
Solubility in organic solvent		No data
Partition coefficient, n-octanol/water		No data
Vapor pressure		No data
Specific gravity/relative density		No data
Vapor density		No data
Particle characteristics		No data

10. STABILITY AND REACTIVITY

Reactivity	No data
Chemical stability	No data
Possibility of hazardous reactions	No data
Conditions to avoid	No data

Reference No: PN-05-04-01E

Incompatible materials	No data
Hazardous decomposition products	No data

11. TOXICOLOGICAL INFORMATION

Acute toxicity (Oral)	Data corresponding to the GHS classification has not been obtained.
Acute toxicity (Dermal)	Data corresponding to the GHS classification has not been obtained.
Acute toxicity (Inhalation: gas)	Data corresponding to the GHS classification has not been obtained.
Skin corrosion/skin irritation	Data corresponding to the GHS classification has not been obtained.
Serious Eye Damage/Eye Irritation	Data corresponding to the GHS classification has not been obtained.
Respiratory or skin sensitization	Data corresponding to the GHS classification has not been obtained.
Germ cell mutagenicity	Data corresponding to the GHS classification has not been obtained.
Carcinogenicity	Data corresponding to the GHS classification has not been obtained.
Reproductive toxicity	Data corresponding to the GHS classification has not been obtained.
Specific target organ toxicity (Single exposure)	Data corresponding to the GHS classification has not been obtained.
Specific target organ toxicity (Repeated exposure)	Data corresponding to the GHS classification has not been obtained.
Aspiration hazard	Data corresponding to the GHS classification has not been obtained.

12. ECOLOGICAL INFORMATION

Hazardous to the aquatic environment (Acute)	Data corresponding to the GHS classification has not been obtained.
Hazardous to the aquatic environment (Chronic)	Data corresponding to the GHS classification has not been obtained.
Persistence and degradability	No data
Bioaccumulative potential	No data
Mobility in soil	No data
Hazardous to the ozone layer	No data

13. DISPOSAL CONSIDERATIONS

Information on safe and environmentally preferable methods of disposal practices or recycling.	[A small amount of residues] Flush with copious amount of water. [A large amount of residues] Inquire at official licensed waste disposal company. [Contaminated containers] Rinse with water and dispose of in accordance with local, regional, national regulations.
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14. TRANSPORT INFORMATION

UN number	Not Applicable
Proper shipping name	Not Applicable
UN Classification	Not Applicable
Subsidiary hazard class	Not Applicable
packing group	Not Applicable
Safety measure	Refer to 7 "HANDLING AND STORAGE". Before transporting, confirm no breakage of container, no corrosion and no leakage. Load containers so that prevent falling, dropping and breakage. Ensure the prevention of cargo collapse.
Domestic regulations	Ship Safety Act Not Applicable Civil Aeronautics Act Not Applicable

15. REGULATORY INFORMATION

This SDS has been prepared in accordance with the requirements of Japanese laws and regulations. The following list does not contain laws of other countries.

Poisonous and Deleterious Substances Control Act	Not Applicable
Industrial Safety and Health Act	Not Applicable
Act on the Assessment of Releases of Specified Chemical Substances in the Environment and the Promotion of Management Improvement (Pollutant Release and Transfer Register)	Not Applicable
Fire Service Act	Not Applicable

Reference No: PN-05-04-01E

Water Pollution Prevention Act (Harmful Substances) Not Applicable

Soil Contamination Countermeasures Act Not Applicable

16. OTHER INFORMATION

References

- Globally Harmonized System of classification and labelling of chemicals, UN
- Recommendations on the TRANSPORT OF DANGEROUS GOODS 21th edit., 2019 UN
- IMDG Code, 2018 Edition (Incorporating Amendment 39-18)
- IATA Dangerous Goods Regulations 62th Edition (2021)
- 2020 EMERGENCY RESPONSE GUIDEBOOK (US DOT)
- 2021 TLVs and BEIs. (ACGIH)
- Classification of chemicals based on "Globally Harmonized System of Classification and Labelling of Chemicals (GHS)" JIS Z 7252:2019
- Hazard communication of chemicals based on GHS -- Labelling and Safety Data Sheet (SDS) JIS Z 7253:2019
- 2021 Recommendation of Occupational Exposure Limits (Japanese Society of Occupational Health)

Disclaimer

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- The information conveyed in this SDS is only a representation of what Shino-Test Corporation has found to be accurate based on the current information obtained from the literature. Shino-Test Corporation makes no warranty, expressed or implied, with respect to such information.
- This SDS has been prepared in accordance with the requirements of Japanese laws and regulations.

SAFETY DATA SHEET

1. IDENTIFICATION

Chemical name	Periostin ELISA Kit (Human) Conjugate Solvent
Reference number	PN-06-04-02E
Supplier's company name	Shino-Test Corporation
Address	4-1-93 Oonodai, Minami-ku, Sagamihara, Kanagawa 252-0331 Japan Sagamihara Production Center
Department	Regulatory Affairs Department
Phone number	+81-42-753-1142
Fax number	+81-42-753-3985
Classification of the product	Reagent
Recommended use	For laboratory use

2. HAZARDS IDENTIFICATION

GHS classification	Data corresponding to the GHS classification has not been obtained..
GHS label elements	None

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance/Mixture	Mixture This product does not contain dangerous and hazardous substances exceeding the content specified by laws and regulations. (refer to 15 REGULATORY INFORMATION")
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4. FIRST-AID MEASURES

General advice	If the victim feels ill, get medical attention. Contact a physician immediately.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If the victim feels ill, contact a physician.

Skin contact

Remove contaminated clothes, rinse skin with plenty of water or shower.

Wash the skin with water and soap.

If skin irritation or rash occurs, get medical advice/attention.

Eye contact

If eye irritation continues, seek medical advice/attention.

Rinse cautiously with water for several minutes. And remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion

Contact a physician immediately.

Rinse mouth. Do NOT induce vomiting.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Water spray, mist water, general foam extinguisher, powder extinguisher, carbon dioxide, dry sand.

Use extinguishing media suitable for the fire around the product.

Unsuitable extinguishing media

Stream hosing.

Specific hazards

In case of extinguishing a fire, wear appropriate protective equipment so as not to inhale the smoke.

Specific means of extinction

Move container from fire area if it can be done without risk.

Cool containers with flooding quantities of water until well after fire is out.

In case of a major fire, use a nozzle with an unmanned hose retention device or a monitor to extinguish the fire. If this is not possible, evacuate from the site and leave the fire as it is.

Protection of fire fighters

In case of fire extinguishing operation, wear a self-contained-compressed air breathing apparatus and chemical protective cloth.

6. ACCIDENTAL RELEASE MEASURES

Reference No: PN-06-04-02E

Personal precautions, protection, and emergency measures

Keep unauthorized persons away from the area.

The worker shall wear appropriate protective equipment (refer to 8 “EXPOSURE CONTROLS/PERSONAL PROTECTION.”) to avoid inhalation or contact with the eyes and skin.

When the worker is not wearing appropriate protective clothing, the worker must not touch the damaged container or leaked product.

Be cautious not to discharge leaked product to rivers and affect the environment.

Stop leak if you can do it without risk.

When the amount of the leak is small, absorb it with dry soil, sand or noncombustible material, or recover it into an empty container that can be sealed by covering it. Dispose the absorbed or recovered product later.

Cover the site with plastic sheet to prevent scattering of the product.

Environmental precautions

Methods and materials for containment and cleaning up

Prevention of secondary hazards

7. HANDLING AND STORAGE

Handling

Technical measures

Refer to 8 “EXPOSURE CONTROLS/PERSONAL PROTECTION.”

Safe handling precautions

Do not consume food or drink, or smoke when using this product.

Wash hands thoroughly after handling.

Do not contact, inhale, or take in the product.

Use the product only in a well-ventilated area.

Avoid release to the environment.

Avoidance of Contact Hygiene measures

Refer to 10 “STABILITY AND REACTIVITY.”

Do not consume food or drink, or smoke when using this product.

Wash hands thoroughly after handling.

Storage

Conditions for safe storage

Keep containers tightly closed at 2-8°C

Safe packing material

Store in the original container of this product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits	No data
Technical facility controls	In the work area where this product is stored or handled, install an eye shower and safety shower.
Personal protective equipment	
Respiratory protection	Wear respiratory protective equipment.
Hand protection	Wear protective gloves.
Eye protection	Wear eye protective equipment.
Skin and body protection	Wear appropriate protective clothing and equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Physical state	Liquid
	Color	Colorless and clear
Odor		No data
Melting point/freezing point		No data
Boiling point, initial boiling point, and boiling range		No data
Flammability (Gas, liquid, solid)		No data
Upper/lower flammability of explosive limits		No data
Flash point		No data
Auto-ignition temperature		No data
Decomposition temperature		No data
pH		8.0
Viscosity		No data
Solubility in water		No data
Solubility in organic solvent		No data
Partition coefficient, n-octanol/water		No data
Vapor pressure		No data
Specific gravity/relative density		No data
Vapor density		No data
Particle characteristics		No data

10. STABILITY AND REACTIVITY

Reactivity	No data
Chemical stability	No data
Possibility of hazardous reactions	No data
Conditions to avoid	No data
Incompatible materials	No data

Reference No: PN-06-04-02E

Hazardous decomposition products

No data

11. TOXICOLOGICAL INFORMATION

Acute toxicity (Oral)

Data corresponding to the GHS classification has not been obtained.

Acute toxicity (Dermal)

Data corresponding to the GHS classification has not been obtained.

Acute toxicity (Inhalation: gas)

Data corresponding to the GHS classification has not been obtained.

Skin corrosion/skin irritation

Data corresponding to the GHS classification has not been obtained.

Serious Eye Damage/Eye Irritation

Data corresponding to the GHS classification has not been obtained.

Respiratory or skin sensitization

Data corresponding to the GHS classification has not been obtained.

Germ cell mutagenicity

Data corresponding to the GHS classification has not been obtained.

Carcinogenicity

Data corresponding to the GHS classification has not been obtained.

Reproductive toxicity

Data corresponding to the GHS classification has not been obtained.

Specific target organ toxicity (Single exposure)

Data corresponding to the GHS classification has not been obtained.

Specific target organ toxicity (Repeated exposure)

Data corresponding to the GHS classification has not been obtained.

Aspiration hazard

Data corresponding to the GHS classification has not been obtained.

12. ECOLOGICAL INFORMATION

Hazardous to the aquatic environment (Acute)

Data corresponding to the GHS classification has not been obtained.

Hazardous to the aquatic environment (Chronic)

Data corresponding to the GHS classification has not been obtained.

Persistence and degradability

No data

Bioaccumulative potential

No data

Mobility in soil

No data

Hazardous to the ozone layer

No data

13. DISPOSAL CONSIDERATIONS

Information on safe and environmentally preferable methods of disposal practices or recycling.	[A small amount of residues] Flush with copious amount of water. [A large amount of residues] Inquire at official licensed waste disposal company. [Contaminated containers] Rinse with water and dispose of in accordance with local, regional, national regulations.
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14. TRANSPORT INFORMATION

UN number	Not Applicable
Proper shipping name	Not Applicable
UN Classification	Not Applicable
Subsidiary hazard class	Not Applicable
packing group	Not Applicable
Safety measure	Refer to 7 "HANDLING AND STORAGE". Before transporting, confirm no breakage of container, no corrosion and no leakage. Load containers so that prevent falling, dropping and breakage. Ensure the prevention of cargo collapse.
Domestic regulations	Ship Safety Act Not Applicable Civil Aeronautics Act Not Applicable

15. REGULATORY INFORMATION

This SDS has been prepared in accordance with the requirements of Japanese laws and regulations. The following list does not contain laws of other countries.

Poisonous and Deleterious Substances Control Act	Not Applicable
Industrial Safety and Health Act	Not Applicable
Act on the Assessment of Releases of Specified Chemical Substances in the Environment and the Promotion of Management Improvement (Pollutant Release and Transfer Register)	Not Applicable
Fire Service Act	Not Applicable

Reference No: PN-06-04-02E

Water Pollution Prevention Act (Harmful Substances) Not Applicable

Soil Contamination Countermeasures Act Not Applicable

16. OTHER INFORMATION

References

- Globally Harmonized System of classification and labelling of chemicals, UN
- Recommendations on the TRANSPORT OF DANGEROUS GOODS 21th edit., 2019 UN
- IMDG Code, 2018 Edition (Incorporating Amendment 39-18)
- IATA Dangerous Goods Regulations 62th Edition (2021)
- 2020 EMERGENCY RESPONSE GUIDEBOOK (US DOT)
- 2021 TLVs and BEIs. (ACGIH)
- Classification of chemicals based on "Globally Harmonized System of Classification and Labelling of Chemicals (GHS)" JIS Z 7252:2019
- Hazard communication of chemicals based on GHS -- Labelling and Safety Data Sheet (SDS) JIS Z 7253:2019
- 2021 Recommendation of Occupational Exposure Limits (Japanese Society of Occupational Health)

Disclaimer

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- The information conveyed in this SDS is only a representation of what Shino-Test Corporation has found to be accurate based on the current information obtained from the literature. Shino-Test Corporation makes no warranty, expressed or implied, with respect to such information.
- This SDS has been prepared in accordance with the requirements of Japanese laws and regulations.

SAFETY DATA SHEET

1. IDENTIFICATION

Chemical name	Periostin ELISA Kit (Human) Color Reagent A
Reference number	GC-06B-03-02E
Supplier's company name	Shino-Test Corporation
Address	4-1-93 Oonodai, Minami-ku, Sagamihara, Kanagawa 252-0331 Japan Sagamihara Production Center
Department	Regulatory Affairs Department
Phone number	+81-42-753-1142
Fax number	+81-42-753-3985
Classification of the product	Reagent
Recommended use	For laboratory use

2. HAZARDS IDENTIFICATION

GHS classification

Health hazard	Skin corrosion and skin irritation, category 1 Serious damage or eye irritation to the eye, category 1. Hazards not listed above are not applicable or not possible to be classified.
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GHS label elements

Pictogram	
Signal word	Danger
Hazard statement	Causes severe skin burns and eye damage.
Safety precaution	Do not inhale mist, vapor or aerosol. Wash hands thoroughly after handling. Wear protective gloves/protective clothing/ eye protection/face protection.
First-aid measures	Specific treatment

Contact a physician immediately.

If inhaled, remove victim to fresh air and keep at rest in a position comfortable for breathing.

If on skin or hair, Immediately take off the contaminated clothes. Wash skin with plenty of water.

Remove contaminated clothing. Wash before reuse.

If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If swallowed, rinse mouth. Do NOT induce vomiting.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance/Mixture

Mixture

Chemical or generic name	Concentration or concentration ranges	Chemical formula	Reference number in gazette list in Japan		CAS number
			JCSCL number	ISHL number	
Hydrogen chloride	<0.1%	HCl	(1)-215		7647-01-0
Water and others	>99.9%				

4. FIRST-AID MEASURES

General advice

If the victim feels ill, get medical attention.
Contact a physician immediately.

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing.
If the victim feels ill, contact a physician.

Skin contact

Remove contaminated clothes, rinse skin with plenty of water or shower.
Wash the skin with water and soap.
If skin irritation or rash occurs, get medical advice/attention.

Eye contact

If eye irritation continues, seek medical advice/attention.

Ingestion

Rinse cautiously with water for several minutes. And remove contact lenses, if present and easy to do. Continue rinsing. Contact a physician immediately. Rinse mouth. Do NOT induce vomiting.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Water spray, mist water, general foam extinguisher, powder extinguisher, carbon dioxide, dry sand.

Unsuitable extinguishing media

Use extinguishing media suitable for the fire around the product.

Specific hazards

Stream hosing.

In case of extinguishing a fire, wear appropriate protective equipment so as not to inhale the smoke.

Specific means of extinction

Move container from fire area if it can be done without risk.

Cool containers with flooding quantities of water until well after fire is out.

In case of a major fire, use a nozzle with an unmanned hose retention device or a monitor to extinguish the fire. If this is not possible, evacuate from the site and leave the fire as it is.

Protection of fire fighters

In case of fire extinguishing operation, wear a self-contained-compressed air breathing apparatus and chemical protective cloth.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protection, and emergency measures

Keep unauthorized persons away from the area.

The worker shall wear appropriate protective equipment (refer to 8 "EXPOSURE CONTROLS/PERSONAL PROTECTION.") to avoid inhalation or contact with the eyes and skin.

Environmental precautions

When the worker is not wearing appropriate protective clothing, the worker must not touch the damaged container or leaked product.

Be cautious not to discharge leaked product to rivers and affect the environment.

Methods and materials for containment and cleaning up

Stop leak if you can do it without risk.

When the amount of the leak is small, absorb it with dry soil, sand or noncombustible material, or recover it into an empty container that can be sealed by covering it. Dispose the absorbed or recovered product later.

Prevention of secondary hazards

Cover the site with plastic sheet to prevent scattering of the product.

7. HANDLING AND STORAGE

Handling

Technical measures

Refer to 8 “EXPOSURE CONTROLS/PERSONAL PROTECTION.”

Safe handling precautions

Do not consume food or drink, or smoke when using this product.

Wash hands thoroughly after handling.

Do not contact, inhale, or take in the product.

Use the product only in a well-ventilated area.

Avoid release to the environment.

Avoidance of Contact
Hygiene measures

Refer to 10 “STABILITY AND REACTIVITY.”

Do not consume food or drink, or smoke when using this product.

Wash hands thoroughly after handling.

Storage

Conditions for safe storage

Keep containers tightly closed at 2-8°C

Safe packing material

Store in the original container of this product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

No data

Technical facility controls

In the work area where this product is stored or handled, install an eye shower and safety shower.

Personal protective equipment

Respiratory protection

Wear respiratory protective equipment.

Hand protection

Wear protective gloves.

Reference No: GC-06B-03-02E

Eye protection	Wear eye protective equipment.
Skin and body protection	Wear appropriate protective clothing and equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Physical state	Liquid
	Color	Colorless to pale blue and clear
Odor		No data
Melting point/freezing point		No data
Boiling point, initial boiling point, and boiling range		No data
Flammability (Gas, liquid, solid)		No data
Upper/lower flammability of explosive limits		No data
Flash point		No data
Auto-ignition temperature		No data
Decomposition temperature		No data
pH		2.0
Viscosity		No data
Solubility in water		No data
Solubility in organic solvent		No data
Partition coefficient, n-octanol/water		No data
Vapor pressure		No data
Specific gravity/relative density		No data
Vapor density		No data
Particle characteristics		No data

10. STABILITY AND REACTIVITY

Reactivity	No data
Chemical stability	No data
Possibility of hazardous reactions	No data
Conditions to avoid	No data
Incompatible materials	No data
Hazardous decomposition products	No data

11. TOXICOLOGICAL INFORMATION

Acute toxicity (Oral)	Data corresponding to the GHS classification has not been obtained.
Acute toxicity (Dermal)	Data corresponding to the GHS classification has not been obtained.

Reference No: GC-06B-03-02E

Acute toxicity (Inhalation: gas)

Data corresponding to the GHS classification has not been obtained.

Skin corrosion/skin irritation

Classified as Category 1 because this mixture has a $\text{pH} \leq 2$

Serious Eye Damage/Eye Irritation

Classified as Category 1 because this mixture has a $\text{pH} \leq 2$

Respiratory or skin sensitization

Data corresponding to the GHS classification has not been obtained.

Germ cell mutagenicity

Data corresponding to the GHS classification has not been obtained.

Carcinogenicity

Data corresponding to the GHS classification has not been obtained.

Reproductive toxicity

Data corresponding to the GHS classification has not been obtained.

Specific target organ toxicity (Single exposure)

Data corresponding to the GHS classification has not been obtained.

Specific target organ toxicity (Repeated exposure)

Data corresponding to the GHS classification has not been obtained.

Aspiration hazard

Data corresponding to the GHS classification has not been obtained.

12. ECOLOGICAL INFORMATION

Hazardous to the aquatic environment (Acute)

Data corresponding to the GHS classification has not been obtained.

Hazardous to the aquatic environment (Chronic)

Data corresponding to the GHS classification has not been obtained.

Persistence and degradability

No data

Bioaccumulative potential

No data

Mobility in soil

No data

Hazardous to the ozone layer

No data

13. DISPOSAL CONSIDERATIONS

Information on safe and environmentally preferable methods of disposal practices or recycling.	[A small amount of residues] Flush with copious amount of water. [A large amount of residues] Inquire at official licensed waste disposal company. [Contaminated containers] Rinse with water and dispose of in accordance with local, regional, national regulations.
--	--

14. TRANSPORT INFORMATION

UN number	Not Applicable
Proper shipping name	Not Applicable
UN Classification	Not Applicable
Subsidiary hazard class	Not Applicable
packing group	Not Applicable
Safety measure	Refer to 7 "HANDLING AND STORAGE". Before transporting, confirm no breakage of container, no corrosion and no leakage. Load containers so that prevent falling, dropping and breakage. Ensure the prevention of cargo collapse.
Domestic regulations	Ship Safety Act Not Applicable Civil Aeronautics Act Not Applicable

15. REGULATORY INFORMATION

This SDS has been prepared in accordance with the requirements of Japanese laws and regulations. The following list does not contain laws of other countries.

Poisonous and Deleterious Substances Control Act	Not Applicable
Industrial Safety and Health Act	Not Applicable
Act on the Assessment of Releases of Specified Chemical Substances in the Environment and the Promotion of Management Improvement (Pollutant Release and Transfer Register)	Not Applicable
Fire Service Act	Not Applicable

Reference No: GC-06B-03-02E

Water Pollution Prevention Act (Harmful Substances) Not Applicable

Soil Contamination Countermeasures Act Not Applicable

16. OTHER INFORMATION

References

- Globally Harmonized System of classification and labelling of chemicals, UN
- Recommendations on the TRANSPORT OF DANGEROUS GOODS 21th edit., 2019 UN
- IMDG Code, 2018 Edition (Incorporating Amendment 39-18)
- IATA Dangerous Goods Regulations 62th Edition (2021)
- 2020 EMERGENCY RESPONSE GUIDEBOOK (US DOT)
- 2021 TLVs and BEIs. (ACGIH)
- Classification of chemicals based on "Globally Harmonized System of Classification and Labelling of Chemicals (GHS)" JIS Z 7252:2019
- Hazard communication of chemicals based on GHS -- Labelling and Safety Data Sheet (SDS) JIS Z 7253:2019
- 2021 Recommendation of Occupational Exposure Limits (Japanese Society of Occupational Health)

Disclaimer

- This SDS is designed to comply with JIS Z 7253:2019 and the GHS classifications above are according to JIS Z 7252.
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- This SDS has been prepared in accordance with the requirements of Japanese laws and regulations.

SAFETY DATA SHEET

1. IDENTIFICATION

Chemical name	Periostin ELISA Kit (Human) Color Reagent B
Reference number	GC-07B-04-02E
Supplier's company name	Shino-Test Corporation
Address	4-1-93 Oonodai, Minami-ku, Sagamihara, Kanagawa 252-0331 Japan Sagamihara Production Center
Department	Regulatory Affairs Department
Phone number	+81-42-753-1142
Fax number	+81-42-753-3985
Classification of the product	Reagent
Recommended use	For laboratory use

2. HAZARDS IDENTIFICATION

GHS classification	Data corresponding to the GHS classification has not been obtained..
GHS label elements	None

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance/Mixture	Mixture This product does not contain dangerous and hazardous substances exceeding the content specified by laws and regulations. (refer to 15 REGULATORY INFORMATION")
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4. FIRST-AID MEASURES

General advice	If the victim feels ill, get medical attention. Contact a physician immediately.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If the victim feels ill, contact a physician.

Reference No: GC-07B-04-02E

Skin contact

Remove contaminated clothes, rinse skin with plenty of water or shower.

Wash the skin with water and soap.

If skin irritation or rash occurs, get medical advice/attention.

Eye contact

If eye irritation continues, seek medical advice/attention.

Rinse cautiously with water for several minutes. And remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion

Contact a physician immediately.

Rinse mouth. Do NOT induce vomiting.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Water spray, mist water, general foam extinguisher, powder extinguisher, carbon dioxide, dry sand.

Use extinguishing media suitable for the fire around the product.

Unsuitable extinguishing media

Stream hosing.

Specific hazards

In case of extinguishing a fire, wear appropriate protective equipment so as not to inhale the smoke.

Specific means of extinction

Move container from fire area if it can be done without risk.

Cool containers with flooding quantities of water until well after fire is out.

In case of a major fire, use a nozzle with an unmanned hose retention device or a monitor to extinguish the fire. If this is not possible, evacuate from the site and leave the fire as it is.

Protection of fire fighters

In case of fire extinguishing operation, wear a self-contained-compressed air breathing apparatus and chemical protective cloth.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protection, and emergency measures

Keep unauthorized persons away from the area.

The worker shall wear appropriate protective equipment (refer to 8 “EXPOSURE CONTROLS/PERSONAL PROTECTION.”) to avoid inhalation or contact with the eyes and skin.

When the worker is not wearing appropriate protective clothing, the worker must not touch the damaged container or leaked product.

Environmental precautions

Be cautious not to discharge leaked product to rivers and affect the environment.

Methods and materials for containment and cleaning up

Stop leak if you can do it without risk.

When the amount of the leak is small, absorb it with dry soil, sand or noncombustible material, or recover it into an empty container that can be sealed by covering it. Dispose the absorbed or recovered product later.

Prevention of secondary hazards

Cover the site with plastic sheet to prevent scattering of the product.

7. HANDLING AND STORAGE

Handling

Technical measures

Refer to 8 “EXPOSURE CONTROLS/PERSONAL PROTECTION.”

Safe handling precautions

Do not consume food or drink, or smoke when using this product.

Wash hands thoroughly after handling.

Do not contact, inhale, or take in the product.

Use the product only in a well-ventilated area.

Avoid release to the environment.

Avoidance of Contact Hygiene measures

Refer to 10 “STABILITY AND REACTIVITY.”

Do not consume food or drink, or smoke when using this product.

Wash hands thoroughly after handling.

Storage

Conditions for safe storage

Keep containers tightly closed at 2-8°C

Safe packing material

Store in the original container of this product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits	No data
Technical facility controls	In the work area where this product is stored or handled, install an eye shower and safety shower.
Personal protective equipment	
Respiratory protection	Wear respiratory protective equipment.
Hand protection	Wear protective gloves.
Eye protection	Wear eye protective equipment.
Skin and body protection	Wear appropriate protective clothing and equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Physical state	Liquid
	Color	Colorless and clear
Odor		No data
Melting point/freezing point		No data
Boiling point, initial boiling point, and boiling range		No data
Flammability (Gas, liquid, solid)		No data
Upper/lower flammability of explosive limits		No data
Flash point		No data
Auto-ignition temperature		No data
Decomposition temperature		No data
pH		4.3
Viscosity		No data
Solubility in water		No data
Solubility in organic solvent		No data
Partition coefficient, n-octanol/water		No data
Vapor pressure		No data
Specific gravity/relative density		No data
Vapor density		No data
Particle characteristics		No data

10. STABILITY AND REACTIVITY

Reactivity	No data
Chemical stability	No data
Possibility of hazardous reactions	No data
Conditions to avoid	No data
Incompatible materials	No data

Reference No: GC-07B-04-02E

Hazardous decomposition products

No data

11. TOXICOLOGICAL INFORMATION

Acute toxicity (Oral)

Data corresponding to the GHS classification has not been obtained.

Acute toxicity (Dermal)

Data corresponding to the GHS classification has not been obtained.

Acute toxicity (Inhalation: gas)

Data corresponding to the GHS classification has not been obtained.

Skin corrosion/skin irritation

Data corresponding to the GHS classification has not been obtained.

Serious Eye Damage/Eye Irritation

Data corresponding to the GHS classification has not been obtained.

Respiratory or skin sensitization

Data corresponding to the GHS classification has not been obtained.

Germ cell mutagenicity

Data corresponding to the GHS classification has not been obtained.

Carcinogenicity

Data corresponding to the GHS classification has not been obtained.

Reproductive toxicity

Data corresponding to the GHS classification has not been obtained.

Specific target organ toxicity (Single exposure)

Data corresponding to the GHS classification has not been obtained.

Specific target organ toxicity (Repeated exposure)

Data corresponding to the GHS classification has not been obtained.

Aspiration hazard

Data corresponding to the GHS classification has not been obtained.

12. ECOLOGICAL INFORMATION

Hazardous to the aquatic environment (Acute)

Data corresponding to the GHS classification has not been obtained.

Hazardous to the aquatic environment (Chronic)

Data corresponding to the GHS classification has not been obtained.

Persistence and degradability

No data

Bioaccumulative potential

No data

Mobility in soil

No data

Hazardous to the ozone layer

No data

13. DISPOSAL CONSIDERATIONS

Information on safe and environmentally preferable methods of disposal practices or recycling.	[A small amount of residues] Flush with copious amount of water. [A large amount of residues] Inquire at official licensed waste disposal company. [Contaminated containers] Rinse with water and dispose of in accordance with local, regional, national regulations.
--	--

14. TRANSPORT INFORMATION

UN number	Not Applicable
Proper shipping name	Not Applicable
UN Classification	Not Applicable
Subsidiary hazard class	Not Applicable
packing group	
Safety measure	Refer to 7 "HANDLING AND STORAGE". Before transporting, confirm no breakage of container, no corrosion and no leakage. Load containers so that prevent falling, dropping and breakage. Ensure the prevention of cargo collapse.
Domestic regulations	Ship Safety Act Not Applicable Civil Aeronautics Act Not Applicable

15. REGULATORY INFORMATION

This SDS has been prepared in accordance with the requirements of Japanese laws and regulations. The following list does not contain laws of other countries.

Poisonous and Deleterious Substances Control Act	Not Applicable
Industrial Safety and Health Act	Not Applicable
Act on the Assessment of Releases of Specified Chemical Substances in the Environment and the Promotion of Management Improvement (Pollutant Release and Transfer Register)	Not Applicable
Fire Service Act	Not Applicable

Reference No: GC-07B-04-02E

Water Pollution Prevention Act (Harmful Substances) Not Applicable

Soil Contamination Countermeasures Act Not Applicable

16. OTHER INFORMATION

References

- Globally Harmonized System of classification and labelling of chemicals, UN
- Recommendations on the TRANSPORT OF DANGEROUS GOODS 21th edit., 2019 UN
- IMDG Code, 2018 Edition (Incorporating Amendment 39-18)
- IATA Dangerous Goods Regulations 62th Edition (2021)
- 2020 EMERGENCY RESPONSE GUIDEBOOK (US DOT)
- 2021 TLVs and BEIs. (ACGIH)
- Classification of chemicals based on "Globally Harmonized System of Classification and Labelling of Chemicals (GHS)" JIS Z 7252:2019
- Hazard communication of chemicals based on GHS -- Labelling and Safety Data Sheet (SDS) JIS Z 7253:2019
- 2021 Recommendation of Occupational Exposure Limits (Japanese Society of Occupational Health)

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- The information conveyed in this SDS is only a representation of what Shino-Test Corporation has found to be accurate based on the current information obtained from the literature. Shino-Test Corporation makes no warranty, expressed or implied, with respect to such information.
- This SDS has been prepared in accordance with the requirements of Japanese laws and regulations.

SAFETY DATA SHEET

1. IDENTIFICATION

Chemical name	Periostin ELISA Kit (Human) Stop Solution
Reference number	GC-08B-04-01E
Supplier's company name	Shino-Test Corporation
Address	4-1-93 Oonodai, Minami-ku, Sagamihara, Kanagawa 252-0331 Japan Sagamihara Production Center
Department	Regulatory Affairs Department
Phone number	+81-42-753-1142
Fax number	+81-42-753-3985
Classification of the product	Reagent
Recommended use	For laboratory use

2. HAZARDS IDENTIFICATION

GHS classification

Health hazards	Skin corrosion and skin irritation, category 1 Serious damage or eye irritation to the eye, category 1. Specific target organ toxicity, single exposure, category 2. Specific target organ toxicity, repeated exposure, category 2.
Environmental hazards	Hazardous to the aquatic environment (long-term), category 3.

Hazards not listed above are not applicable or not possible to be classified.

GHS label elements

Pictogram



Signal word	Danger
Hazard statements	Causes severe skin burns and eye damage. May cause organ damage. May cause damage to organs through prolonged or repeated exposure Harmful to aquatic life with long lasting effects.
Safety precautions	Avoid release to the environment. Do not breathe mist, vapors, and spray. Wash hands thoroughly after handling. Wear protective gloves. Wear protective glasses and face protection. Do not eat, drink, or smoke when using this product.
First-aid measures	Specific treatment Contact a physician immediately. If there is exposure or concern, seek medical advice/attention. If inhaled, remove victim to fresh air and keep at rest in a position comfortable for breathing. If on skin or hair, Immediately take off the contaminated clothes. Wash skin with plenty of water. Remove contaminated clothing. Wash before reuse. If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If swallowed, rinse mouth. Do NOT induce vomiting.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance/Mixture

Mixture

Chemical or generic name	Concentration or concentration ranges	Chemical formula	Reference number in gazette list in Japan		CAS number
			JCSCL number	ISHL number	
Sulfuric acid	<2.0%	H ₂ SO ₄	(1)-430		7664-93-9
Water	>98.0%				

4. FIRST-AID MEASURES

General advice

If the victim feels ill, get medical attention.

Contact a physician immediately.

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

If the victim feels ill, contact a physician.

Skin contact

Remove contaminated clothes, rinse skin with plenty of water or shower.

Wash the skin with water and soap.

If skin irritation or rash occurs, get medical advice/attention.

Eye contact

If eye irritation continues, seek medical advice/attention.

Rinse cautiously with water for several minutes. And remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion

Contact a physician immediately.

Rinse mouth. Do NOT induce vomiting.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Water spray, mist water, general foam extinguisher, powder extinguisher, carbon dioxide, dry sand.

Use extinguishing media suitable for the fire around the product.

Unsuitable extinguishing media

Stream hosing.

Specific hazards

In case of extinguishing a fire, wear appropriate protective equipment so as not to inhale the smoke.

Specific means of extinction

Move container from fire area if it can be done without risk.

Cool containers with flooding quantities of water until well after fire is out.

In case of a major fire, use a nozzle with an unmanned hose retention device or a monitor to extinguish the fire. If this is not possible, evacuate from the site and leave the fire as it is.

Protection of fire fighters

In case of fire extinguishing operation, wear a self-contained-compressed air breathing apparatus and chemical protective cloth.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protection, and emergency measures

Keep unauthorized persons away from the area.

The worker shall wear appropriate protective equipment (refer to 8 "EXPOSURE CONTROLS/PERSONAL PROTECTION.") to avoid inhalation or contact with the eyes and skin.

When the worker is not wearing appropriate protective clothing, the worker must not touch the damaged container or leaked product.

Be cautious not to discharge leaked product to rivers and affect the environment.

Stop leak if you can do it without risk.

When the amount of the leak is small, absorb it with dry soil, sand or noncombustible material, or recover it into an empty container that can be sealed by covering it. Dispose the absorbed or recovered product later.

Environmental precautions

Cover the site with plastic sheet to prevent scattering of the product.

Methods and materials for containment and cleaning up

Prevention of secondary hazards

7. HANDLING AND STORAGE

Handling	Technical measures	Refer to 8 “EXPOSURE CONTROLS/PERSONAL PROTECTION.”
	Safe handling precautions	Do not consume food or drink, or smoke when using this product. Wash hands thoroughly after handling. Do not contact, inhale, or take in the product. Use the product only in a well-ventilated area. Avoid release to the environment.
Storage	Avoidance of Contact	Refer to 10 “STABILITY AND REACTIVITY.”
	Hygiene measures	Do not consume food or drink, or smoke when using this product. Wash hands thoroughly after handling.
	Conditions for safe storage	Keep containers tightly closed at 2-8°C
	Safe packing material	Store in the original container of this product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits	No data	
Technical facility controls	In the work area where this product is stored or handled, install an eye shower and safety shower.	
Personal protective equipment		
	Respiratory protection	Wear respiratory protective equipment.
	Hand protection	Wear protective gloves.
	Eye protection	Wear eye protective equipment.
	Skin and body protection	Wear appropriate protective clothing and equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Physical state	Liquid
	Color	Colorless and clear
Odor	No data	
Melting point/freezing point	No data	
Boiling point, initial boiling point, and boiling range	No data	
Flammability (Gas, liquid, solid)	No data	
Upper/lower flammability of explosive limits	No data	
Flash point	No data	
Auto-ignition temperature	No data	

Reference No: GC-08B-04-01E

Decomposition temperature	No data
pH	≤ 2.0
Viscosity	No data
Solubility in water	No data
Solubility in organic solvent	No data
Partition coefficient, n-octanol/water	No data
Vapor pressure	No data
Specific gravity/relative density	No data
Vapor density	No data
Particle characteristics	No data

10. STABILITY AND REACTIVITY

Reactivity	No data
Chemical stability	No data
Possibility of hazardous reactions	No data
Conditions to avoid	No data
Incompatible materials	No data
Hazardous decomposition products	No data

11. TOXICOLOGICAL INFORMATION

Acute toxicity (Oral)	Data corresponding to the GHS classification has not been obtained.
Acute toxicity (Dermal)	Data corresponding to the GHS classification has not been obtained.
Acute toxicity (Inhalation: gas)	Data corresponding to the GHS classification has not been obtained.
Skin corrosion/skin irritation	Classified as Category 1 because this mixture has a $\text{pH} \leq 2$
Serious Eye Damage/Eye Irritation	Classified as Category 1 because this mixture has a $\text{pH} \leq 2$
Respiratory or skin sensitization	Data corresponding to the GHS classification has not been obtained.
Germ cell mutagenicity	Data corresponding to the GHS classification has not been obtained.
Carcinogenicity	Data corresponding to the GHS classification has not been obtained.
Reproductive toxicity	Data corresponding to the GHS classification has not been obtained.

Reference No: GC-08B-04-01E

Specific target organ toxicity (Single exposure)	Classified as Category 2 because this mixture contains at least one Category 1 specific target organ toxicant at a concentration between 1.0% and 10%.
Specific target organ toxicity (Repeated exposure)	Classified as Category 2 because this mixture contains at least one Category 1 specific target organ toxicant at a concentration between 1.0% and 10%.
Aspiration hazard	Data corresponding to the GHS classification has not been obtained.

12. ECOLOGICAL INFORMATION

Hazardous to the aquatic environment (Acute)	Data corresponding to the GHS classification has not been obtained.
Hazardous to the aquatic environment (Chronic)	Classified as Category 3 because 100 times the sum of the concentrations (in %) of all ingredients classified as Chronic 1 plus 10 times the sum of the concentrations (in %) of all in all ingredients classified as Chronic 2 plus the sum of the concentrations (in %) of all ingredients classified as Chronic 3 is $\geq 25\%$.
Persistence and degradability	No data
Bioaccumulative potential	No data
Mobility in soil	No data
Hazardous to the ozone layer	No data

13. DISPOSAL CONSIDERATIONS

Information on safe and environmentally preferable methods of disposal practices or recycling.	[A small amount of residues] Flush with copious amount of water. [A large amount of residues] Inquire at official licensed waste disposal company. [Contaminated containers] Rinse with water and dispose of in accordance with local, regional, national regulations.
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14. TRANSPORT INFORMATION

UN number	UN3264
Proper shipping name	Corrosive liquid, acidic, inorganic, N.O.S.
UN Classification	8
Subsidiary hazard class	III
packing group	
Marine regulatory information	Not Applicable
Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code.	Not Applicable
Safety measure	Refer to 7 "HANDLING AND STORAGE". Before transporting, confirm no breakage of container, no corrosion and no leakage. Load containers so that prevent falling, dropping and breakage. Ensure the prevention of cargo collapse.
Domestic regulations	Ship Safety Act Not Applicable Civil Aeronautics Act Not Applicable

15. REGULATORY INFORMATION

This SDS has been prepared in accordance with the requirements of Japanese laws and regulations. The following list does not contain laws of other countries.

Poisonous and Deleterious Substances Control Act	Not Applicable
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Reference No: GC-08B-04-01E
Industrial Safety and Health Act

Class III Specified Chemical Substance
(Ordinance on the Prevention of the Hazard
due to Specified Chemical Substances: Article
2, Clause 1, Item 6)
Sulfuric acid

Dangerous or Harmful Substances Subject to
Be Indicated Their Names, etc (Law: Article
57, Clause 1; Enforcement rule: Article 18,
Item 1, Item 2·Appendix No. 9)

Sulfuric acid, Government ordinance
number: 613

(Note)This product is exempt from obligation
of labeling.

Dangerous Articles and Harmful Substances
Whose Names, etc. Should Be Notified (Law:
Article 57, Clause 2; Enforcement rule: Article
18, Cause 2, Item 1, Item 2·Appendix No. 9)

Sulfuric acid, Government ordinance
number: 613

(Note)This product is exempt from obligation
of labeling.

Act on the Assessment of Releases of Specified Chemical Substances in the Environment and the Promotion of Management Improvement (Pollutant Release and Transfer Register)	Not Applicable
Fire Service Act	Not Applicable
Water Pollution Prevention Act (Harmful Substances)	Not Applicable
Soil Contamination Countermeasures Act	Not Applicable

16. OTHER INFORMATION

References

- Globally Harmonized System of classification and labelling of chemicals, UN
- Recommendations on the TRANSPORT OF DANGEROUS GOODS 21th edit., 2019 UN
- IMDG Code, 2018 Edition (Incorporating Amendment 39-18)
- IATA Dangerous Goods Regulations 62th Edition (2021)

Reference No: GC-08B-04-01E

- 2020 EMERGENCY RESPONSE GUIDEBOOK (US DOT)
- 2021 TLVs and BEIs. (ACGIH)
- Classification of chemicals based on "Globally Harmonized System of Classification and Labelling of Chemicals (GHS)" JIS Z 7252:2019
- Hazard communication of chemicals based on GHS -- Labelling and Safety Data Sheet (SDS) JIS Z 7253:2019
- 2021 Recommendation of Occupational Exposure Limits (Japanese Society of Occupational Health)

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- This SDS has been prepared in accordance with the requirements of Japanese laws and regulations.

SAFETY DATA SHEET**1. IDENTIFICATION**

Chemical name	Periostin ELISA Kit (Human) 5X Wash Concentrate
Reference number	HMG-07B-03-02E
Supplier's company name	Shino-Test Corporation
Address	4-1-93 Oonodai, Minami-ku, Sagamihara, Kanagawa 252-0331 Japan Sagamihara Production Center
Department	Regulatory Affairs Department
Phone number	+81-42-753-1142
Fax number	+81-42-753-3985
Classification of the product	Reagent
Recommended use	For laboratory use

2. HAZARDS IDENTIFICATION

GHS classification	Data corresponding to the GHS classification has not been obtained..
GHS label elements	None

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance/Mixture	Mixture This product does not contain dangerous and hazardous substances exceeding the content specified by laws and regulations. (refer to 15 REGULATORY INFORMATION")
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4. FIRST-AID MEASURES

General advice	If the victim feels ill, get medical attention. Contact a physician immediately.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If the victim feels ill, contact a physician.

Skin contact

Remove contaminated clothes, rinse skin with plenty of water or shower.

Wash the skin with water and soap.

If skin irritation or rash occurs, get medical advice/attention.

Eye contact

If eye irritation continues, seek medical advice/attention.

Rinse cautiously with water for several minutes. And remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion

Contact a physician immediately.

Rinse mouth. Do NOT induce vomiting.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Water spray, mist water, general foam extinguisher, powder extinguisher, carbon dioxide, dry sand.

Use extinguishing media suitable for the fire around the product.

Unsuitable extinguishing media

Stream hosing.

Specific hazards

In case of extinguishing a fire, wear appropriate protective equipment so as not to inhale the smoke.

Specific means of extinction

Move container from fire area if it can be done without risk.

Cool containers with flooding quantities of water until well after fire is out.

In case of a major fire, use a nozzle with an unmanned hose retention device or a monitor to extinguish the fire. If this is not possible, evacuate from the site and leave the fire as it is.

Protection of fire fighters

In case of fire extinguishing operation, wear a self-contained-compressed air breathing apparatus and chemical protective cloth.

6. ACCIDENTAL RELEASE MEASURES

Reference No: HMG-07B-03-02E

Personal precautions, protection, and emergency measures

Keep unauthorized persons away from the area.

The worker shall wear appropriate protective equipment (refer to 8 “EXPOSURE CONTROLS/PERSONAL PROTECTION.”) to avoid inhalation or contact with the eyes and skin.

When the worker is not wearing appropriate protective clothing, the worker must not touch the damaged container or leaked product.

Be cautious not to discharge leaked product to rivers and affect the environment.

Stop leak if you can do it without risk.

When the amount of the leak is small, absorb it with dry soil, sand or noncombustible material, or recover it into an empty container that can be sealed by covering it. Dispose the absorbed or recovered product later.

Cover the site with plastic sheet to prevent scattering of the product.

Environmental precautions

Methods and materials for containment and cleaning up

Prevention of secondary hazards

7. HANDLING AND STORAGE

Handling

Technical measures

Refer to 8 “EXPOSURE CONTROLS/PERSONAL PROTECTION.”

Safe handling precautions

Do not consume food or drink, or smoke when using this product.

Wash hands thoroughly after handling.

Do not contact, inhale, or take in the product.

Use the product only in a well-ventilated area.

Avoid release to the environment.

Avoidance of Contact Hygiene measures

Refer to 10 “STABILITY AND REACTIVITY.”

Do not consume food or drink, or smoke when using this product.

Wash hands thoroughly after handling.

Storage

Conditions for safe storage

Keep containers tightly closed at 2-8°C

Safe packing material

Store in the original container of this product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits	No data
Technical facility controls	In the work area where this product is stored or handled, install an eye shower and safety shower.
Personal protective equipment	
Respiratory protection	Wear respiratory protective equipment.
Hand protection	Wear protective gloves.
Eye protection	Wear eye protective equipment.
Skin and body protection	Wear appropriate protective clothing and equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Physical state	Liquid
	Color	Colorless and clear
Odor		No data
Melting point/freezing point		No data
Boiling point, initial boiling point, and boiling range		No data
Flammability (Gas, liquid, solid)		No data
Upper/lower flammability of explosive limits		No data
Flash point		No data
Auto-ignition temperature		No data
Decomposition temperature		No data
pH		7.1
Viscosity		No data
Solubility in water		No data
Solubility in organic solvent		No data
Partition coefficient, n-octanol/water		No data
Vapor pressure		No data
Specific gravity/relative density		No data
Vapor density		No data
Particle characteristics		No data

10. STABILITY AND REACTIVITY

Reactivity	No data
Chemical stability	No data
Possibility of hazardous reactions	No data
Conditions to avoid	No data
Incompatible materials	No data

Reference No: HMG-07B-03-02E

Hazardous decomposition products

No data

11. TOXICOLOGICAL INFORMATION

Acute toxicity (Oral)

Data corresponding to the GHS classification has not been obtained.

Acute toxicity (Dermal)

Data corresponding to the GHS classification has not been obtained.

Acute toxicity (Inhalation: gas)

Data corresponding to the GHS classification has not been obtained.

Skin corrosion/skin irritation

Data corresponding to the GHS classification has not been obtained.

Serious Eye Damage/Eye Irritation

Data corresponding to the GHS classification has not been obtained.

Respiratory or skin sensitization

Data corresponding to the GHS classification has not been obtained.

Germ cell mutagenicity

Data corresponding to the GHS classification has not been obtained.

Carcinogenicity

Data corresponding to the GHS classification has not been obtained.

Reproductive toxicity

Data corresponding to the GHS classification has not been obtained.

Specific target organ toxicity (Single exposure)

Data corresponding to the GHS classification has not been obtained.

Specific target organ toxicity (Repeated exposure)

Data corresponding to the GHS classification has not been obtained.

Aspiration hazard

Data corresponding to the GHS classification has not been obtained.

12. ECOLOGICAL INFORMATION

Hazardous to the aquatic environment (Acute)

Data corresponding to the GHS classification has not been obtained.

Hazardous to the aquatic environment (Chronic)

Data corresponding to the GHS classification has not been obtained.

Persistence and degradability

No data

Bioaccumulative potential

No data

Mobility in soil

No data

Hazardous to the ozone layer

No data

13. DISPOSAL CONSIDERATIONS

Information on safe and environmentally preferable methods of disposal practices or recycling.	[A small amount of residues] Flush with copious amount of water. [A large amount of residues] Inquire at official licensed waste disposal company. [Contaminated containers] Rinse with water and dispose of in accordance with local, regional, national regulations.
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14. TRANSPORT INFORMATION

UN number	Not Applicable
Proper shipping name	Not Applicable
UN Classification	Not Applicable
Subsidiary hazard class	Not Applicable
packing group	Not Applicable
Safety measure	Refer to 7 "HANDLING AND STORAGE". Before transporting, confirm no breakage of container, no corrosion and no leakage. Load containers so that prevent falling, dropping and breakage. Ensure the prevention of cargo collapse.
Domestic regulations	Ship Safety Act Not Applicable Civil Aeronautics Act Not Applicable

15. REGULATORY INFORMATION

This SDS has been prepared in accordance with the requirements of Japanese laws and regulations. The following list does not contain laws of other countries.

Poisonous and Deleterious Substances Control Act	Not Applicable
Industrial Safety and Health Act	Not Applicable
Act on the Assessment of Releases of Specified Chemical Substances in the Environment and the Promotion of Management Improvement (Pollutant Release and Transfer Register)	Not Applicable
Fire Service Act	Not Applicable

Reference No: HMG-07B-03-02E

Water Pollution Prevention Act (Harmful Substances) Not Applicable

Soil Contamination Countermeasures Act Not Applicable

16. OTHER INFORMATION

References

- Globally Harmonized System of classification and labelling of chemicals, UN
- Recommendations on the TRANSPORT OF DANGEROUS GOODS 21th edit., 2019 UN
- IMDG Code, 2018 Edition (Incorporating Amendment 39-18)
- IATA Dangerous Goods Regulations 62th Edition (2021)
- 2020 EMERGENCY RESPONSE GUIDEBOOK (US DOT)
- 2021 TLVs and BEIs. (ACGIH)
- Classification of chemicals based on "Globally Harmonized System of Classification and Labelling of Chemicals (GHS)" JIS Z 7252:2019
- Hazard communication of chemicals based on GHS -- Labelling and Safety Data Sheet (SDS) JIS Z 7253:2019
- 2021 Recommendation of Occupational Exposure Limits (Japanese Society of Occupational Health)

Disclaimer

- This SDS is designed to comply with JIS Z 7253:2019 and the GHS classifications above are according to JIS Z 7252.
- The information conveyed in this SDS is only a representation of what Shino-Test Corporation has found to be accurate based on the current information obtained from the literature. Shino-Test Corporation makes no warranty, expressed or implied, with respect to such information.
- This SDS has been prepared in accordance with the requirements of Japanese laws and regulations.