



Lipoxin A₄ ELISA Assay

Product Number: EA45

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MSDS: Lipoxin A₄ ELISA Assay
Product No. EA45

This product is for research use only

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Section 1 - Hazardous Components:

Component:	Hazardous Content:
EIA Buffer	None
Extraction Buffer	None
HRP Conjugate	None
Standard	None
TMB Substrate	Substrate Ingredient 1
Wash Buffer	None

Section 2 - Physical and Chemical Characteristics:

EIA Buffer:

Boiling Point: ~100°C
Vapor Pressure: Not Determined
Vapor Density: Not Determined
Solubility in Water: Soluble

Specific Gravity: Not Determined
Melting Point: N/A
Evaporation Rate: Not Determined
Appearance: Clear Liquid

Extraction Buffer:

Boiling Point: ~100°C
Vapor Pressure: Not Determined
Vapor Density: Not Determined

Solubility in Water: Soluble
Specific Gravity: Not Determined
Melting Point: N/A

Evaporation Rate: Not Determined

Appearance: Clear Liquid

HRP Conjugate:

Boiling Point: ~100°C
 Vapor Pressure: Not Determined
 Vapor Density: Not Determined
 Solubility in Water: Soluble

Specific Gravity: Not Determined
 Melting Point: N/A
 Evaporation Rate: Not Determined
 Appearance: Clear Liquid

Standard:

Boiling Point: ~100°C
 Vapor Pressure: Not Determined
 Vapor Density: Not Determined
 Solubility in Water: Soluble

Specific Gravity: Not Determined
 Melting Point: N/A
 Evaporation Rate: Not Determined
 Appearance: Clear Liquid

TMB Substrate:

Boiling Point: 81°C
 Vapor Pressure: 0.29 mm Hg @ 20°C
 Vapor Density: 3.4 (Air = 1)
 Solubility in Water: Soluble

Specific Gravity: 1.033 (H₂O = 1)
 Melting Point: N/A
 Evaporation Rate: Not Determined
 Appearance: Clear Liquid

Wash Buffer:

Boiling Point: ~100°C
 Vapor Pressure: Not Determined
 Vapor Density: Not Determined
 Solubility in Water: Soluble

Specific Gravity: Not Determined
 Melting Point: N/A
 Evaporation Rate: Not Determined
 Appearance: Clear Liquid

Section 3 - Fire and Explosion Hazard Data:

EIA Buffer:

Flash Point: Not Determined
 Special Fire Fighting Measures: None
 Unusual Fire and Explosion Hazards: Carbon monoxide may be produced upon heating.
 Auto-Ignition Temperature: Not Determined
 Explosion Limits: Upper: Not Determined Lower: Not Determined

Extraction Buffer:

Flash Point: Not Determined
 Special Fire Fighting Measures: None
 Unusual Fire and Explosion Hazards: Carbon monoxide may be produced upon heating.
 Auto-Ignition Temperature: Not Determined
 Explosion Limits: Upper: Not Determined Lower: Not Determined

HRP Conjugate:

Flash Point: Not Determined
 Special Fire Fighting Measures: Dry Chemical, CO₂, Water Spray
 Unusual Fire and Explosion Hazards: Carbon monoxide may be produced upon heating.

Auto-Ignition Temperature: Not Determined
Explosion Limits: Upper: Not Determined Lower: Not Determined

Standard:

Flash Point: Not Determined
Special Fire Fighting Measures: Dry Chemical, CO₂, Water Spray
Unusual Fire and Explosion Hazards: Carbon monoxide may be produced upon heating.
Auto-Ignition Temperature: Not Determined
Explosion Limits: Upper: Not Determined Lower: Not Determined

TMB Substrate:

Flash Point: 103.9°C (187°F)
Special Fire Fighting Measures: Dry Chemical, CO₂, Water Spray
Unusual Fire and Explosion Hazards: Carbon monoxide and nitrogen oxides may be produced upon heating.
Auto-Ignition Temperature: Not Determined
Explosion Limits: Upper: 9.5% Lower: 1.3%

Wash Buffer:

Flash Point: Not Determined
Special Fire Fighting Measures: Dry Chemical, CO₂, Water Spray
Unusual Fire and Explosion Hazards: Carbon monoxide and nitrogen oxides may be produced upon heating.
Auto-Ignition Temperature: Not Determined
Explosion Limits: Upper: Not Determined Lower: Not Determined

Section 4 – Reactivity Hazard Data:

EIA Buffer:

Stability: Stable
Conditions to Avoid: N/A
Hazardous Polymerization: Will Not Occur
Hazardous Decomposition/Byproducts: Carbon monoxide or carbon dioxide may be produced upon heating.
Material Incompatibility: Strong Oxidizing Agents

Extraction Buffer:

Stability: Stable
Conditions to Avoid: N/A
Hazardous Polymerization: Will Not Occur
Hazardous Decomposition/Byproducts: Carbon monoxide or carbon dioxide may be produced upon heating.
Material Incompatibility: Strong Oxidizing Agents

HRP Conjugate:

Stability: Stable
Conditions to Avoid: N/A

Hazardous Polymerization: Will Not Occur

Hazardous Decomposition/Byproducts: Carbon monoxide or carbon dioxide upon heating.

Material Incompatibility: Strong Oxidizing Agents

Standard:

Stability: Stable

Conditions to Avoid: N/A

Hazardous Polymerization: Will Not Occur

Hazardous Decomposition/Byproducts: Carbon monoxide or carbon dioxide may be produced upon heating.

Material Incompatibility: Strong Oxidizing Agents,

TMB Substrate:

Stability: Stable

Conditions to Avoid: N/A

Hazardous Polymerization: Will Not Occur

Hazardous Decomposition/Byproducts: Carbon monoxide, carbon dioxide, or nitrogen oxides may be produced upon heating.

Material Incompatibility: Strong Oxidizing Agents

Wash Buffer:

Stability: Stable

Conditions to Avoid: N/A

Hazardous Polymerization: Will Not Occur

Hazardous Decomposition/Byproducts: Carbon monoxide, carbon dioxide, or nitrogen oxides may be produced upon heating.

Material Incompatibility: Strong Oxidizing Agents

Section 5 - Health Hazard Data:

EIA Buffer:

Exposure Limits: OSHA PEL: N/A ACGIH TLV: N/A

Toxicity Data: N/A

Health Hazards: None Known

Chronic Exposure: N/A

Target Organs: None Known

First Aid: Ingestion: Wash mouth out with water if conscious and seek immediate medical attention.

Inhalation: Expose to fresh air and seek immediate medical attention. Give oxygen if breathing is difficult.

Skin: Flush area with water for 15 minutes and seek immediate medical attention if irritation occurs. Remove contaminated clothing.

Eyes: Flush with water for 15 minutes while lifting eyelids and seek immediate medical attention.

Extraction Buffer:

Exposure Limits: OSHA PEL: N/A ACGIH TLV: N/A
 Toxicity Data: N/A
 Health Hazards: None Known
 Chronic Exposure: N/A
 Target Organs: None Known
 First Aid: Ingestion: Wash out mouth with water if conscious and seek immediate medical attention.
 Inhalation: Expose to fresh air and seek immediate medical attention. Give oxygen if breathing is difficult.
 Skin: Flush area with water for 15 minutes and seek immediate medical attention. Remove contaminated clothing.
 Eyes: Flush with water for 15 minutes while lifting eyelids and seek immediate medical attention.

HRP Conjugate:

Exposure Limits: OSHA PEL: N/A ACGIH TLV: N/A
 Toxicity Data: N/A
 Health Hazards: None Known
 Chronic Exposure: N/A
 Target Organs: None Known
 First Aid: Ingestion: Wash out mouth if conscious and seek immediate medical attention.
 Inhalation: Expose to fresh air and seek immediate medical attention. Give oxygen if breathing is difficult.
 Skin: Flush area with water for 15 minutes and seek medical attention if irritation persists.
 Eyes: Flush area with water for 15 minutes while lifting eyelids and seek immediate medical attention.

Standard:

Exposure Limits: OSHA PEL: N/A ACGIH TLV: N/A
 Toxicity Data: N/A
 Health Hazards: None Known
 Chronic Exposure: N/A
 Target Organs: None Known
 First Aid: Ingestion: Wash out mouth with water if conscious and seek immediate medical attention.
 Inhalation: Expose to fresh air and seek immediate medical attention. Give oxygen if breathing is difficult.
 Skin: Flush area with water for 15 minutes and seek immediate medical attention. Remove contaminated clothing.
 Eyes: Flush with water for 15 minutes while lifting eyelids and seek immediate medical attention.

TMB Substrate:

Exposure Limits: OSHA PEL: N/A ACGIH TLV: N/A
 Toxicity Data: N/A
 Health Hazards: Direct contact with eyes, mucus membranes, skin, or respiratory track may cause irritation.
 Chronic Exposure: Overexposure may cause reproductive disorders.
 Target Organs: Eyes, Skin, Reproductive Organs
 First Aid: Ingestion: Wash out mouth with water if conscious and seek immediate medical attention.
 Inhalation: Expose to fresh air and seek immediate medical attention. Give oxygen if breathing is difficult.
 Skin: Flush area with water for 15 minutes and seek immediate medical attention. Remove contaminated clothing.
 Eyes: Flush with water for 15 minutes while lifting eyelids and seek immediate medical attention.

Wash Buffer:

Exposure Limits: OSHA PEL: N/A ACGIH TLV: N/A
 Toxicity Data: N/A
 Health Hazards: None Known
 Chronic Exposure: N/A
 Target Organs: None Known
 First Aid: Ingestion: Wash out mouth with water if conscious and seek immediate medical attention.
 Inhalation: Expose to fresh air and seek immediate medical attention. Give oxygen if breathing is difficult.
 Skin: Flush area with water for 15 minutes and seek immediate medical attention. Remove contaminated clothing.
 Eyes: Flush with water for 15 minutes while lifting eyelids and seek immediate medical attention.

Section 6 - Control Measures:

Respiratory Protection: None required with proper ventilation.
 Ventilation: Requires local exhaust.
 Protective Gloves: Proper disposable gloves.
 Eye Protection: Safety glasses or goggles.
 Other Protective Equipment: Uniform, lab coat, or disposable lab wear.
 Work/Hygienic Practices: Follow usual precautionary measures for handling chemicals.
 Keep away from food and beverages.

Section 7 - Handling and Use Precautions:

Accidental Release Measures: Wear suitable protective equipment to prevent inhalation, ingestion, or skin and eye contact. Clean up spills with a sponge, mop, or vermiculite.

Waste Disposal: Disposal shall be in accordance with local, state, or federal guidelines.
Handling and Storage: 4-8°C

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