

## Safety Data Sheet

### GPR39 antibody

Cat#: orb1276819

Effective Date: 2023-1-1

#### 1. Product and Manufacturer Identification

<b>Product name</b>	GPR39 antibody
<b>Catalog No.</b>	orb1276819

#### 2. Hazards Identification

<b>GHS Hazard Class</b>	Not classified as dangerous substance or mixture according to GHS (Globally Harmonized System of Classification and Labelling of Chemicals) (Ninth revised edition)
<b>Pictogram and Signal word</b>	None.
<b>Hazard statement (s)</b>	None
<b>Precautionary statement (s)</b>	None.
<b>Explosion hazards</b>	Not considered to be an explosion hazard

Classification: according to GHS (Globally Harmonized System of Classification and Labeling of Chemicals) (Ninth revised edition)

#### 3. Composition/Information on Ingredients

Component	Range %by Wt.	CAS No.
Phosphate buffer saline (Aqueous solution containing $\text{KH}_2\text{PO}_4$ , $\text{Na}_2\text{HPO}_4$ , NaCl and KCl)	99	7732-18-5;7778-77-0;7558-79-4 7647-14-5;7447-40-7
Immune globulin	1	No data available

#### 4. First Aid Measures

<b>Skin contact</b>	Rinse with plenty water. If experiencing skin symptoms, consult a physician
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If experiencing eye symptoms, consult a physician
<b>Inhalation</b>	Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms, consult a physician
<b>Ingestion</b>	Induce vomiting. Rinse mouth and give large quantities of water to drink. If feel unwell, consult a physician.

### 5. Fire Fighting Measures

<b>Types of hazards</b>	Not considered to be an explosion hazard.
<b>Hazardous combustion products</b>	No data available
<b>Fire-fighting measures</b>	Use any means suitable for extinguishing surrounding fire Suitable extinguishing medial: Water spray, dry powder, sand, water-resistant foam, carbon dioxide, etc.
<b>Special Information</b>	Use self-contained breathing apparatus and wear protective clothing Avoid contact with eyes and skin

### 6. Accidental Release Measures

Soak up the leakage with inert absorbent material and recover into the suitable, closed containers for disposal. Flush the contaminated area with plenty water. Avoid release to the environment.

### 7. Handling and Storage Measures

<b>Handling</b>	Keep container tightly closed
<b>Storage</b>	Stored in a cool, dry, ventilated area.

### 8. Exposure Controls /Personal Protection

<b>Occupational exposure limits</b>	Not established
<b>Engineering controls</b>	In general, dilution ventilation is a satisfactory health hazard control for this substance However, if conditions of use create discomfort to the worker, a local exhaust system should be considered. Maintain eye wash fountain and quick-drench facilities in work area
<b>Inhalation protection</b>	Wear masks. In case of fire, use self-contained breathing apparatus
<b>Eye protection</b>	Use safety goggles or face protections to protect against possible splashing
<b>Skin protection</b>	Wear protective gloves and clean body-covering clothing
<b>Other protection</b>	No information

### 9. Chemical and Physical Properties

<b>Appearance and odor</b>	Colorless liquid, odorless.
<b>pH</b>	≈8
<b>Solubility</b>	Miscible with water.
<b>Flash point</b>	Not applicable.
<b>Flammability</b>	Not classified as flammable liquid

<b>Explosive properties</b>	Not classified as explosive substance.
<b>Oxidizing properties</b>	Not classified as oxidizing substance.
<b>Main purpose</b>	For research only
<b>Other properties</b>	No data available.

## 10. Stability and Reactivity

<b>Stability</b>	Stable under ordinary conditions of use and storage.
<b>Incompatibilities</b>	Acid anhydrides, alkali metals
<b>Conditions to avoid</b>	No data available.
<b>Hazardous polymerization</b>	No data available
<b>Hazardous decomposition</b>	No data available

## 11. Toxicological Information

<b>Acute toxicity</b>	Potassium dihydrogen orthophosphate (CAS No.7778-77-0) LD50-Oral-Rat ->2000 mg/kg Disodium hydrogen orthophosphate (CAS No.7558-79-4) LD50-Oral-Rat ->2000 mg/kg Sodium chloride (CAS No.7647-14-5): LD50-Oral-Rat ->2000 mg/kg Potassium chloride (CAS No.7447-40-7) LD50-Oral -Rat ->2000 mg/kg
<b>Skin irritation/corrosion</b>	Potassium dihydrogen orthophosphate (CAS No.7778-77-0): Not irritating Disodium hydrogen orthophosphate (CAS No.7558-79-4): Mild skin irritation.
<b>Eye damage/irritation</b>	Potassium dihydrogen orthophosphate (CAS No.7778-77-0): Not irritating Disodium hydrogen orthophosphate (CAS No.7558-79-4): Mild skin irritation
<b>Respiratory or skin sensitization</b>	No data available.
<b>Germ cell mutagenicity</b>	No data available.
<b>Carcinogenicity</b>	This product is not listed in IARC (International Agency for Research on Cancer) Category.
<b>Reproductive toxicity</b>	No data available
<b>STOT-single exposure</b>	No data available.
<b>STOT-repeated exposure</b>	No data available
<b>Aspiration hazard</b>	No data available
<b>Health hazards</b>	Inhalation: May cause irritation to the respiratory tract Ingestion: May be harmful if ingested in excessive quantities Skin Contact: No serious adverse health effects expected Eye Contact: May cause eye mild irritation
<b>Other toxicity</b>	No data available

## 12. Ecological Information

<b>Ecological toxicity</b>	Sodium chloride (CAS No.7647-14-5): Toxicity to fishes LC50-Lepomis macrochirus -5840 mg/l-96 h Toxicity to daphnia and NOEC-Daphnia magna-1500 mg/l-7d other aquatic invertebrates LC50-Daphnia magna-1661 mg/l-48 h Potassium chloride (CAS No.7447-40-7): Toxicity to fishes LC50-Pimephales promelas -880 mg/l-96 h Toxicity to daphnia and EC50-Daphnia magna->440 mg/l-48 h other aquatic invertebrates
<b>Persistence and degradability</b>	No data available.
<b>Bioaccumulation</b>	No data available.
<b>Mobility in soil</b>	No data available.
<b>Others</b>	No data available.

## 13. Disposal Information

<b>Disposal measures</b>	Offer surplus and non-recyclable contents/containers to a licensed disposal company
<b>Notes</b>	Local disposal regulations may differ from Chinese regulations. Dispose in accordance with local country or state.

## 14. Transportation Information

Regulations	IATA DGR (64th Edition)	IMDG Code (2020 Edition)
<b>UN No.</b>	Not regulated.	Not regulated.
<b>Proper Shipping Name</b>	Not regulated.	Not regulated.
<b>Hazard Class/Division</b>	Not regulated	Not regulated.
<b>Packing Group</b>	Not regulated	Not regulated.
<b>Packing Method</b>	Not regulated.	Not regulated.
<b>Environmental hazards</b>	Not regulated as environmentally hazardous substance/marine pollutants.	
<b>Notes</b>	No information.	

## 15.Regulatory Information

### **Domestic authority regulations:**

Regulations on the Safety Administration of Dangerous Chemicals (2011).

This product is not listed in General rule for classification and hazard communication of chemicals (GB 13690-2009)

### **International Regulations:**

Commission Regulation (EC) No.1907/2006 (REACH) and its amendments

Commission Regulation (EC) No.1272/2008 (CLP) and its amendments

Waste Framework Directive 2008/98/EC and its amendments.

Toxic Substance Control Act (TSCA).