Safety Data Sheet

Date of preparation: November 20, 2025
SDS No. PQS-0001
Edition: 2nd

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: anti human ROBO1 antibody
Product code: Pab-01, Pab-02
Supplier: PhotoQ3 Co., Ltd.
Head office: Kojimachi Intelligent Building B-1, 5-4, Kojimachi 3-chome, Chiyoda-ku, Tokyo 102-0083, Japan
Manufacturing site: Komaba Open Laboratory (Room 602), The University of Tokyo, Komaba II Campus, 4-6-1 Komaba, Meguro-ku, Tokyo 153-8505, Japan
Telephone number: +81-3-5452-5742
Recommended use: For research use only

2. Hazards identification

GHS classification: Not applicable
GHS label elements
Pictogram: Not required
Signal word: Not required
Hazard statements: Not required
Precautionary statements:
Prevention: Not required
Response: Not required
Storage: Not required
Disposal: Not required

3. Composition/information on ingredients

Substance/Mixture: Mixture

Chemical name	CAS No.	ENCS	ISHL No.	Weight-%
Water	7732-18-5	N/A	N/A	>99
Sodium chloride	7647-14-5	1-236	-	≦0.9

Disodium hydrogen phosphate	7558-79-4	1-497	-	<0.1
Potassium dihydrogen phosphate	7778-77-0	1-452	-	<0.1
Anti-Robo-1 monoclonal antibody	-	-	-	<0.1

Note on components: None

4. First-aid measures

Inhalation:

Move the victim to fresh air. If symptoms persist, consult a physician.

Skin contact:

Wash immediately with soap and plenty of water. If symptoms persist, consult a physician.

Eye contact:

Rinse cautiously with water for several minutes. If contact lenses are present and easy to remove, remove them and continue rinsing. If symptoms persist, consult a physician.

Ingestion:

Rinse mouth. If swallowed, seek medical advice immediately.

5. Fire-fighting measures

Suitable extinguishing media:

Use fire-extinguishing methods suitable for the surrounding conditions.

Specific hazards in case of fire:

Thermal decomposition may produce irritating and toxic gases and vapors.

Special protective equipment and precautions for fire-fighters:

Wear personal protective equipment. Firefighters must wear self-contained breathing apparatus and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment, and emergency procedures:

Restrict entry of unnecessary personnel and isolate the spill area.

Avoid aerosol formation and ensure adequate ventilation. Wear appropriate protective equipment to prevent inhalation, skin, and eye contact. Avoid skin contamination by splashes, dust, or gas inhalation.

Environmental precautions:

Do not release directly into sewers, rivers, or soil. Dispose of waste liquid and contaminated absorbent materials as infectious/biohazardous waste in accordance with facility regulations

and legal requirements.

Methods and materials for containment and cleaning up:

Absorb spilled liquid with paper towels or absorbent material and dispose of in a sealed waste container.

Decontaminate the affected area with 0.1% sodium hypochlorite or an appropriate disinfectant.

Disposal should be in accordance with biohazard waste regulations and applicable laws.

7. Handling and storage

Handling

Technical measures:

Use local exhaust ventilation. Do not handle containers roughly, such as dropping, overturning, impacting, or dragging them. Prevent leaks, spills, or dispersion, and avoid unnecessary generation of dust or vapors. Reseal the container tightly after use. After handling, wash hands and face thoroughly and gargle. Do not eat, drink, or smoke outside designated areas.

Do not bring gloves or other contaminated protective equipment into rest areas. Prohibit access to handling areas by unauthorized personnel.

Storage

Appropriate conditions:

Store in a tightly sealed container under refrigeration (2–8 °C). For long-term storage, keep at –20 °C.

Safe container and packaging materials:

Use containers with sufficient strength.

8. Exposure controls / personal protection

Engineering controls:

Ensure adequate ventilation. Install water supply and eye-wash facilities nearby.

Personal protective equipment (PPE):

Respiratory protection:

Wear appropriate respiratory protective equipment.

Hand protection:

Wear suitable gloves.

Eye protection:

Use protective eyewear; wear a face shield if there is a risk of splashing.

Skin and body protection:

Wear appropriate protective clothing.

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practices.

9. Physical and chemical properties

Form:	Transparent liquid
Color:	Colorless
Odor:	Odorless
pH:	No data available
Melting/freezing point:	No data available
Boiling point/range:	No data available
Flash point:	No data available
Auto-ignition temperature:	No data available
Vapor pressure:	No data available
Relative density:	No data available
Solubility (water):	Soluble
n-Octanol/water partition coefficient:	No data available
Decomposition temperature:	No data available

10. Stability and reactivity

Reactivity:

No data available

Chemical stability:

Stable under recommended storage conditions

Possibility of hazardous reactions:

None under normal handling

Conditions to avoid:

High temperatures, direct sunlight

Incompatible materials:

Strong oxidizing agents

Hazardous decomposition products:

Carbon monoxide (CO), carbon dioxide (CO_2), nitrogen oxides (NOx), sulfur oxides (SOx), phosphorus oxides

11. Toxicological information

Acute toxicity (oral):	No data available
Acute toxicity (dermal):	No data available
Skin corrosion/irritation:	No data available
Serious eye damage/ eye irritation:	No data available
Specific target organ toxicity (single exposure):	No data available
Specific target organ toxicity (repeated exposure):	No data available

12. Ecological information

Ecotoxicity:	No data available
Persistence and degradability:	No data available
Bioaccumulative potential:	No data available
Mobility in soil:	No data available
Hazardous to the ozone layer:	No data available

13. Disposal considerations

Waste disposal methods:

Dispose of in accordance with relevant laws and local regulations. If handled by licensed industrial waste disposal contractors or municipal bodies, entrust disposal accordingly. Inform contractors of the hazards and risks before consignment.

Contaminated packaging:

Clean containers before recycling or dispose of in accordance with relevant laws and local regulations. Empty containers should be completely cleared of contents before disposal.

14. Transport information

ADR/RID, ADN/ADNR:	Not applicable
IMDG, IATA/DOT:	Not applicable
UN number:	Not applicable

Transport hazard class: Not applicable
Packing group: Not applicable

15. Regulatory information

Poisonous and Deleterious Substances Control Law (Japan): Not applicable
Industrial Safety and Health Law (Japan): Not applicable
PRTR Law (Japan): Not applicable
Fire Service Law (Japan): Not applicable
Chemical Substances Control Law (Japan): Not applicable
Ship Safety Law (Japan): Not applicable
Civil Aeronautics Law (Japan): Not applicable

16. Other information

This Safety Data Sheet has been prepared based on information currently available. The accuracy and completeness of the data and evaluations provided are not guaranteed. Hazard and risk assessments may not be sufficient, therefore handle with adequate caution. The precautions described are intended for normal handling of this product; for other uses, the user is responsible for implementing appropriate safety measures.