

## MATERIAL SAFETY DATA SHEET (MSDS)

### PRODUCT IDENTITY:

Purified polyclonal and monoclonal antibodies.

### COMPOSITION/INFORMATION ON INGREDIENTS:

Glycerol	50%	Cas#56-81-5
Water	40-50%	Cas#7732-12-5
Animal proteins	10-50%	
Sodium Chloride	<1%	Cas#7647-14-5
Sodium Phosphate, Dibasic	<1%	Cas#7558-79-4
Sodium Azide	<0.1%	Cas#26628-2-8

**The only hazardous substance, sodium azide, is present in these products in very small amounts as an antimicrobial preservative.**

### HAZARDOUS INGREDIENTS:

Materials sodium azide, less than or equal to 0.1% (w/v). Toxicity Data LD50=27 mg/kg (oral-rat).

This product is considered none hazardous under 29 CFR 1910.1200 (Hazard Communication).

Physical state of sodium azide-containing antibody: Odorless, light gold color, clear liquid.

### FIRST AID MEASURES:

Skin Contact	Wash off skin thoroughly with soap and water. Remove contaminated clothing and wash before reuse.
Eye Contact	Ensure adequate flushing of eye contamination for at least 15 minutes.
Inhalation	Remove from exposure, rest and keep warm.
Ingestion	Wash mouth out thoroughly with water and drink plenty of water.

### FIRE FIGHTING MEASURES:

Suitable extinguishing media: Water Spray, Carbon Dioxide, Dry Chemical Powder or appropriate foam.

### ACCIDENTAL RELEASE MEASURES:

Wear appropriate protective clothing. Mop up with an absorbent cloth and arrange removal by a disposal company. Wash site of spillage thoroughly with water and detergent.

### HANDLING AND STORAGE:

Use only in area provided with exhaust ventilation. Avoid contact with eyes. Wear a lab coat.

Keep container tightly closed, and in a cool and well-ventilated area.

Store at -20°C .

### EXPOSURE CONTROLS/PPE:

Follow good laboratory practice when handling this product. The following precautionary measures are recommended:

- Eye protection: Laboratory safety goggles.
- Hands: Chemical resistant gloves.
- Skin: Laboratory protective clothing.
- Respiratory: Fume hood or in areas with adequate ventilations.

### PHYSICAL AND CHEMICAL PROPERTIES:

General Information: Form – Liquid.

### CHEMICAL STABILITY AND REACTIVITY:

Stability: Stable under recommended storage conditions.

Conditions to avoid: Heat and moisture.

Incompatibility: None known.

Hazardous Polymerization: Will not occur.

### TOXICOLOGICAL INFORMATION:

May be harmful if inhaled and absorbed through skin.

May be harmful if swallowed.

May be irritating to mucous membranes and upper respiratory tract.

May cause eye/skin irritation.

Carcinogenic effects: Not available.

Mutagenic effects: Not available.

Reproduction toxicity: Not available.

Teratogenic effects: Not available.

### ECOLOGICAL INFORMATION:

Data not yet available.

### DISPOSAL CONSIDERATIONS:

In accordance with local and national regulations.

### TRANSPORT INFORMATION:

Not classified as dangerous in the meaning of transport regulations.

### PRECAUTIONS:

Store the antibodies at -20°C .

The above information is believed to be correct but only used as a guide for experienced personnel. Proteintech Group Inc. shall not be liable for any damage resulting from the handling or from contact with the above product.

*For lab use only, not for diagnostic or therapeutic work.*

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