Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Number	Product Name
YC022	Anti IL-1b (Rat) Monoclonal Antibody
YC032	Anti TNF-α (Rat) Monoclonal Antibody

Manufacturer: YANAIHARA INSTITUTE, INC.
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2. HAZARDS IDENTIFICATION

GHS Classification: None
Signal Word Warning
Pictogram: None
Caution: Avoid contact and inhalation. May cause eye and skin irritation.

3. COMPOSITION, INFORMATION ON INGREDIENTS

Antibody Category	CAS Number	Host
Monoclonal Antibody	None	Mouse

The product vial contains 0.05mg (YC022,YC032) of the titled antibody obtained by lyophilizing its purified IgG solution (1mg/1 ml).

4. FIRST AID MEASURES

Inhalation: Immediately remove victim to fresh air. Consult a physician if necessary.
Eye contact: Immediately flush eyes with flooding amounts of running water for at least 15 minutes. Consult a physician if necessary.
Skin contact: In case of contact, wash skin with soap and water.
Ingestion: If swallowed and person is conscious, rinse mouth and give large quantities of water. Immediately seek medical attention.

5. FIRE FIGHTING MEASURES

Flash Point: Nonflammable
Auto Ignition Temperature: Data not available.
Fire Extinguishing Media: Water spray, dry chemical powder, foam, or carbon dioxide.
Firefighting: Wear protective clothing and self-contained breathing apparatus to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Methods for Clean up: In case of spill of liquid material, take up or cover spilled material with ashes or other incombustible absorbents, and put in a container to be sealed. After completely picked up, dispose. In case of spill of solid or powder material, prevent causing dust, sweep and collect, and put in a container to be sealed. Wash the spill site with water.

7. HANDLING AND STORAGE

The product will be stable for over one year if it be stored at -20°C to -80°C until opened. Upon reconstitution, the antiserum solution must be stored at 2°C to 8°C and used within one month. Reconstituted antiserum solution can also be aliquotted and stored at -20°C to -80°C for six months without marked loss of activity. Repeated freezing- thawing should be avoided.

8. EXPOSURE CONTOROLS, PERSONAL PROTECTION

Engineering Controls: Maintain adequate ventilation, eyewash and quick-drench facilities in work area.
Personal Protective Equipment: Lab coat, chemical resistant gloves and chemical safety glasses.
Occupational Exposure Limits: Data not available.
Others: Wash hands thoroughly after handling materials.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	White powder.
Odor:	Odorless.
Boiling Point:	Data not available.
Melting Point:	Data not available.
Volatile Organic Compound:	Data not available.
Solubility in water:	Readily miscible in water.

10. STABILITY AND REACTIVITY

Stability: Stable.
Conditions to avoid: Strong oxidizing agents

11. TOXICOLOGICAL INFORMATION

May cause skin irritation.
May be toxic if absorbed through skin or ingested. May cause eye irritation.

12. ECOLOGICAL INFORMATION

Information as the mixture is not available.

13. DISPOSAL CONSIDERATIONS

Dispose of all waste material including containers in accordance with all applicable laws and local environmental regulations.

14. TRANSPORT INFORMATION

IATA: This substance is considered non-hazardous for air transport.

15. REGULATORY INFORMATION

EU Regulation/Classification/Labeling Information: Not available for this product.

16. OTHER INFORMATION

This product is sold only for research use by personnel familiar with chemicals and who are well trained in good laboratory habits, such as avoiding spills, keeping hands clean at all times and not rubbing eyes with hands while working in the laboratory. This product is only for use in life sciences research. No other use is intended, and any other use may involve substantive hazards.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide for experienced personnel. Yanaihara Institute Inc., shall not be held liable for any damage resulting from the handling of or from contact with the above product. The burden of safe use of this material rests entirely with the user.