

1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	Anti-GRP78 BiP antibody
Product Cat#:	AB-06-2055
Recommended use:	For research use only
Company identification:	Erpan Info Tech (Shanghai) CO., LTD
Address:	951 Jianchuan Rd, Shanghai, China 200240
Telephone:	011-86-21-33283301
E-mail address:	Info@erpantech.com

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

2.2 GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS – none

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Composition of ingredients

Antibody protein

3.2 Information to be disclosed

No components need to be disclosed according to the applicable regulations.

4. FIRST AID MEASURES

4.1 Eyes

In case of eye contact, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers.

4.2 Skin

In case of skin contact, immediately wash skin with soap and copious amounts of water.

4.3 Ingestion

If swallowed, rinse mouth with water provided person is conscious. Call a physician.

4.4 Inhalation

If breathed in, move person into fresh air. If breathing becomes difficult, call a physician.

4.5 Chronic

N/A

4.6 Indication of any immediate medical attention and special treatment needed

No data available

5. FIRE FIGHTING MEASURES

5.1 Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Firefighting

Wear self-contained breathing apparatus and protective clothing for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

6.1 Prevent direct contact with skin or eyes and avoid breathing vapors or dusts. Keep closed containers for disposal and do not let product enter drains.

6.2 Methods and materials for containment and cleaning up

Keep in suitable, closed containers for disposal.

6.3 Environmental precautions

No special environmental precautions required.

7. HANDLING AND STORAGE

7.1 Handling

Avoid inhalation.

Avoid contact with eyes, skin, and clothing.

Avoid prolonged exposure.

7.2 Storage

Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: -20 °C

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

8.1 Exposure guidelines

This product does not contain any hazardous materials with occupational exposure limits.

8.2 Engineering control

Showers

Eyewash stations

Ventilation systems

8.3 Personal protective equipment

Respiratory protection is not required. Where protection from nuisance levels of dusts is desired, use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Handle with protective gloves.

Wear chemical safety goggles.

Wear impervious clothing.

8.4 General hygiene measures:

Wash hands thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid	Color	Transparent
Odor	N/A	PH	7.4
Vapor pressure/density	N/A	Viscosity	N/A
Boiling point	N/A	Freezing/melting points	N/A
Auto-ignition temp.	N/A	Flash point	N/A
Explosion limits, lower	N/A	Explosion limits, upper	N/A
Decomposition temp.	N/A	Solubility in water	N/A
Specific gravity/density	N/A	Molecular formula	N/A
Molecular weight	N/A	Oxidizing properties	N/A

10. STABILITY AND REACTIVITY

10.1 Chemical stability:

Stable under recommended storage conditions

10.2 Incompatible materials:

Strong oxidizing agents

10.3 Conditions to avoid:

N/A

10.4 Hazardous decomposition products:

N/A

10.5 Hazardous polymerization:

Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

11.1 Product Information

Product does not present an acute toxicity hazard based on known information.

11.2 Target organ effects

N/A

11.3 Acute toxicity

No data available

11.4 Skin corrosion/irritation

No data available

11.5 Serious eye damage/eye irritation

No data available

11.6 Respiratory or skin sensitisation

No data available

11.7 Germ cell mutagenicity

No data available

11.8 Carcinogenicity

No component of this product present at levels greater than or equal to 0/1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP or on OSHA's list of regulated carcinogens.

11.9 Reproductive toxicity

No data available

11.10 Organ toxicity

No data available

12. ECOLOGICAL INFORMATION

No data available on the environmental impact of this product.

13. DISPOSAL CONSIDERATIONS

13.1 Dispose of in accordance with local regulations.

13.2 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

The substance is not subject to IATA, IMDG and DOT (US).

15. REGULATORY INFORMATION

15.1 Chemical safety assessment:

N/A

15.2 Safety, health and environmental regulations and regulations specific to this substance/mixture

Applicable to regulations

15.3 CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

16. OTHER INFORMATION

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. For further information please contact www.erpantech.com.