

**1. PRODUCT AND COMPANY IDENTIFICATION**

<b>Product name:</b>	Anti-ASK1 antibody
<b>Product Cat#:</b>	AB-06-0381
<b>Recommended use:</b>	For research use only
<b>Company identification:</b>	Erpan Info Tech (Shanghai) CO., LTD
<b>Address:</b>	951 Jianchuan Rd, Shanghai, China 200240
<b>Telephone:</b>	011-86-21-33283301
<b>E-mail address:</b>	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](http://www.erpantech.com).