

# SAFETY DATA SHEET

## **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

### **1.1 Product identifiers**

<b>Product Name</b>	ERK1/2 Rabbit mAb
<b>Product Number</b>	A4782
<b>Pure substance/mixture</b>	Mixture

### **1.2 Relevant identified uses of the substance or mixture and uses advised against**

<b>Recommended use</b>	For research use only. Not for use in diagnostic procedures
<b>Uses advised against</b>	No information available

### **1.3 Details of the supplier of the safety data sheet**

<b>Manufacturer</b>	Wuhan ABclonal Biotechnology Co., Ltd. Building 4/5, Wuhan Precision Medicine Industry Base, No. 9, Gaokeyuan 3rd Road, East Lake New-Tech Development Zone, Wuhan, Hubei Province, 430206, P.R. C
<b>Tel</b>	400-999-6126
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## **SECTION 2: Hazards identification**

### **2.1 Classification of the substance or mixture**

Not a hazardous substance or mixture according to the Globally Harmonised System (GHS)

### **2.2 Label elements**

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required

### **2.3 Physical and chemical hazards**

Referring to current information, no physical or chemical hazard.

### **2.4 Health hazards**

Referring to current information, no health hazard.

## 2.5 Environmental hazards

Referring to current information, no environmental hazard.

## 2.6 Other hazards

None

## **SECTION 3: Composition/information on ingredients**

### 3.1 Substance / Mixture

Mixture

### 3.2 Mixtures

The product contains no substances which at their given concentration, are considered to be hazardous to health

Chemical name	Weight-%	CAS No
Sodium Azide	≤0.09%	26628-22-8

## **SECTION 4: First aid measures**

### 4.1 Description of first aid measures

<b>Inhalation</b>	Remove to fresh air
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor
<b>Skin contact</b>	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a doctor
<b>Ingestion</b>	Rinse mouth. Consult doctor if feeling unwell.

### 4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2)

### 4.3 Indication of any immediate medical attention and special treatment needed

No data available

### 4.4 Notes to physician

No information available

## **SECTION 5: Firefighting measures**

### 5.1 Extinguishing media

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment
<b>Large Fire</b>	CAUTION: Use of water spray when fighting fire may be inefficient
<b>Unsuitable extinguishing media</b>	Do not scatter spilled material with high pressure water streams

## 5.2 Special hazards arising from the substance or mixture

No information available

## 5.3 Advice for firefighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions: Ensure adequate ventilation

For emergency responders: Use personal protection recommended in Section 8

### **6.2 Environmental precautions**

No special precautionary measures necessary

### **6.3 Methods and materials for containment and cleaning up**

Methods for containment: Prevent further leakage or spillage if safe to do so

Methods for cleaning up: Take up mechanically, placing in appropriate containers for disposal  
Prevention of secondary hazards: Clean contaminated objects and areas thoroughly observing environmental regulations

### **6.4 Reference to other sections**

See section 8 for more information. See section 13 for more information.

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

Ensure adequate ventilation. Wash hands before breaks and immediately after handling the product

### **7.2 Conditions for safe storage, including any incompatibilities**

Storage conditions: Tightly closed.

Storage stability: Store according to the requirements in the product manual.

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

#### **Exposure Limits**

Chemical name	Ceiling
Sodium Azide (26628-22-8)	0.3 mg/ m3 MAC 0.29 mg/ m3 TLV-C

## 8.2 Exposure controls

**Engineering controls:** No information available

### Personal protective equipment

**Eye/face protection:** Eye protection must conform to standard EN 166

**Hand protection:** Protective gloves. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.

**Skin and body protection:** Wear suitable protective clothing

**Respiratory protection:** No protective equipment is needed under normal use conditions. If exposure limits are likely to be exceeded or if irritation or other symptoms are experienced, NIOSH/MSHA or EN 136 approved respiratory protection should be worn.

**General hygiene considerations:** Handle in accordance with good industrial hygiene and safety practice

**Environmental exposure controls:** No information available

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state	Liquid
Appearance	aqueous solution
Colour	clear
Odour	No information available.
Odour threshold	No information available

Property	Values	Remarks • Method
Melting point / freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air	No data available	None known
Upper flammability or explosive limits	No data available	None known
Lower flammability or explosive limits	No data available	None known
Flash point	No data available	None known

<b>Autoignition temperature</b>	No data available	None known
<b>Decomposition temperature</b>	No data available	None known
<b>pH (as aqueous solution)</b>	No data available	None known
<b>Kinematic viscosity</b>	No data available	None known
<b>Dynamic viscosity</b>	No data available	None known
<b>Water solubility</b>	No data available	None known
<b>Solubility(ies)</b>	No data available	None known
<b>Partition coefficient</b>	No data available	None known
<b>Vapour pressure</b>	No data available	None known
<b>Relative density</b>	No data available	None known
<b>Bulk density</b>	No data available	None known
<b>Liquid Density</b>	No data available	None known
<b>Vapour density</b>	No data available	None known
<b>Explosive properties</b>	No data available	None known
<b>Oxidising properties</b>	No data available	None known

## 9.2 Other information

No information available

## **SECTION 10: Stability and reactivity**

### **10.1 Reactivity**

No information available

### **10.2 Chemical stability**

Stable under normal conditions

### **10.3. Possibility of hazardous reactions**

Possibility of hazardous reactions None under normal processing.

### **10.4. Conditions to avoid**

Conditions to avoid None known based on information supplied.

### **10.5. Incompatible materials**

Incompatible materials None known based on information supplied.

### **10.6. Hazardous decomposition products**

Hazardous decomposition products None known based on information supplied.

## **SECTION 11: Toxicological information**

### **11.1 Toxicological information**

#### **Product Information**

<b>Inhalation</b>	Specific test data for the substance or mixture is not available.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available.

### Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

### Acute toxicity

#### Numerical measures of toxicity

#### Component Information

Chemical name	Oral LD50	Dermal LD50
Sodium Azide	=27mg/kg ( Rat ) =10mg/kg (Rabbit)	= 20 mg/kg ( Rabbit )

**Oral:** No data available

**Inhalation:** No data available

**Dermal:** No data available

**Skin corrosion/irritation:** No data available

**Serious eye damage/eye irritation:** No data available

**Respiratory or skin sensitization:** No data available

**Germ cell mutagenicity:** No data available

**Carcinogenicity:** No data available

**Reproductive toxicity:** No data available

**Specific target organ toxicity - single exposure:** No data available

**Specific target organ toxicity - repeated exposure:** No data available

**Aspiration hazard:** No data available

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

**Ecotoxicity:** Unknown aquatic toxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sodium azide	-	LC50: =0.8mg/L (96h, Oncorhynchus mykiss) LC50: =0.7mg/L (96h, Lepomis macrochirus) LC50: =5.46mg/L (96h, Pimephales promelas)	-	-

## 12.2 Persistence and degradability

Persistence and degradability No information available.

## 12.3 Bioaccumulative potential

Bioaccumulation There is no data for this product.

## 12.4 Mobility in soil

Mobility in soil No information available.

## 12.5 Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Waste from residues/unused products

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

#### Contaminated packaging

Do not reuse empty containers

## SECTION 14: Transport information

**IATA:** Not regulated

**IMDG:** Not regulated

**ADR/RID:** Not regulated

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### National regulatory information

#### Other regulations

Please pay attention on the waste treatment should also comply with local regulations requirement.

## **SECTION 16: Other information**

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### **Disclaimer**

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