

I. Identification:

Product Name: Anti-AKT1(E49K) Mouse Monoclonal Antibody

Catalog Number: 26137

Manufacturer Supplier: NewEast Biosciences, 1150 First Avenue, Suite 501, King of Prussia, PA 19406 (610) 945-2007

II. Composition/Information on Ingredients:

Water	CAS# 7732-18-5
Sodium Azide 0.02%	CAS# 26628-22-8
Sodium Chloride < 1%	CAS# 7647-14-5
Sodium Phosphate < 1%	CAS# 7558-79-4
Glycerol 50%	CAS# 56-81-5

III. Hazard Identification:

Emergency Overview of Hazardous ingredient: Sodium azide (CAS# 26628-22-8)

Caution: Avoid contact, ingestion and inhalation.

Target Organ: Kidneys, liver, skin.

IV. First Aid Measures:

Inhalation: If inhaled, remove to fresh air. If breathing is difficult, get medical attention.

Ingestion: If swallowed and person is conscious, rinse out mouth with water. Get medical attention.

Skin Exposure: In case of contact, wash skin with soap and water.

Eye Exposure: In case of contact with eyes, immediately flush eyes water for at least 15 minutes. Get medical attention.

V. Fire Fighting Measures:

Flash Point: Data not available.

Autoignition Temperature: Data not available.

Fire Extinguishing Media: Water spray, dry chemical, foam, or carbon dioxide.

Firefighting: Wear protective clothing and self-contained breathing apparatus to prevent contact with skin and eyes.

VI. Accidental Release Measures:

Absorb liquid with an absorbent material.

Transfer contaminated absorbent to a chemical waste container for disposal.

VII. Handling and Storage:

Avoid inhalation and contact with eyes and skin.

Avoid prolonged or repeated exposure.

Store at -20°C in tightly closed container.

VIII. Exposure Controls/Personal

Engineering Controls: Maintain adequate ventilation, eye wash 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.

IX. Exposure Controls/Personal Protection:

Physical State: Colorless liquid.

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.

X. Stability and Reactivity:

Stability: Stable.

Hazardous Decomposition: May form carbon dioxide and carbon monoxide.

Conditions to Avoid: Strong oxidizing agents

XI. Toxicological Information:

May cause skin irritation.

May be toxic if absorbed through skin or ingested.

May cause eye irritation.

Target Organs: Kidneys, liver, skin

Prolonged exposure may cause nausea, headache, and vomiting.

XII. Ecological Information:

Data not available.

XIII. Disposal Considerations:

Dispose of in accordance with federal, state and local environmental regulations.

XIV. Transport Information:

DOT: This substance is considered non-hazardous for transport.

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

XV. Regulatory Information:

Substances of Very High Concern: None.

Restricted Substances under EC 1907/2006, Annex XVII: None.

Substances Listed under Annex I of Regulation (EC) No 689/2008: None.

Restricted Substances under Annex V of Regulation (EC) No 689/2008: None.

Substances under Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on Persistent Organic Pollutants and Amending Directive 79/117/EEC: None.

German Water Hazard Classes (Wassergefährdungsklassen): Not classified.

Note: The above information is believed to be correct but should only be used as a guide for experienced personnel. NewEast Biosciences will not be liable for any damage resulting from the handling of or from contact with the above product.