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**MATERIAL SAFETY DATA SHEET****Product name:****Catalog number:**

Activin A (Rat) ELISA Kit

KA0539

**1. Composition/Information on Ingredients**

Component	Size
Antibody coated microwells	96 wells
Lyophilized recombinant A Activin standard	10ng × 2 vials
Sample diluent buffer:	30 ml
Biotinylated anti- A Activin antibody	130 µl
Antibody diluent buffer	12 ml
Avidin-Biotin-Peroxidase Complex (ABC)	130 µl
ABC diluent buffer	12 ml
TMB color developing agent	10 ml
TMB stop solution	10 ml

**2. Hazards Identification**Known Hazardous ComponentsCAS NumberPercent

Thimerosal:

54-64-8

Lyophilized recombinant A Activin standard

0.01%

Sample diluent buffer:

0.01%

Biotinylated anti- A Activin antibody

0.01%

Antibody diluent buffer

0.01%

Avidin-Biotin-Peroxidase Complex (ABC)

0.01%

ABC diluent buffer

0.01%

Known Hazardous ComponentsCAS NumberPercent

Sodium Azide:

26628-22-8

Lyophilized recombinant A Activin standard

0.02%

Sample diluent buffer:

0.02%

Biotinylated anti- A Activin antibody

0.02%

Antibody diluent buffer

0.02%

Avidin-Biotin-Peroxidase Complex (ABC)

0.02%

ABC diluent buffer

0.02%

Known Hazardous ComponentsCAS NumberPercent

Sulfuric acid:

7664-93-9

TMB stop solution

2 %

**3. First Aid Measures**

First aid personnel should ensure self-protection.

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General information:	Because of the low concentrations of the ingredients seeing a doctor is not necessary.
In case of skin contact:	Wash affected bodyparts with plenty amount of water.
In case of eye contact:	Wash the affected eye with water for 15 minutes. Assure adequate flushing by separating eyelids with fingers. Consult a physician
In case of ingestion:	Immediately wash your mouth with plenty of water. Furthermore swallow water in small amounts (dilution). Seek medical advice.
In case of inhalation:	If any component of this kit is inhaled, remove to fresh air. If not breathing, perform CPR and get immediate medical attention.

#### **4. Fire Fighting Measures**

Extinguishing media: Water spray, carbon dioxide, dry chemical power or appropriate foam. Prevent contact with skin and eyes.

#### **5. Accidental Release Measures**

Use appropriate protective equipment and methods to clean up spilled substances promptly. Collect and dispose of all waste in accordance with applicable laws. Spilled material should be carefully wiped up with water and removed.

#### **6. Handling and Storage**

Handling: Keep tightly closed, light sensitive.

Storage: Store in a cool, dry place.

#### **7. Exposure controls/personal protection**

Safety shower and eye bath, mechanical exhaust required. Wash thoroughly after handling. Wash contaminated clothing before reuse.

Avoid inhalation. Avoid contact with eyes, skin and clothing. Store as indicated on product label. Avoid prolonged or repeated exposure.

SPECIAL PROTECTIVE EQUIPMENT: Wear suitable protective clothing, including gloves, safety glasses, dust mask, and a laboratory coat.

SPECIAL PRECAUTIONS: Not for human or drug use. Not for household use.

#### **8. Physical and Chemical Properties**

Not available.

#### **9. Stability and Reactivity**

Stability and Reactivity: The product is stable.

Conditions to avoid: N/A

Materials to avoid: N/A

Hazardous decomposition products: N/A

**10. Toxicological Information**

Irritability: N/A

Mutagenicity: N/A

Reproduction toxicity: N/A

Other toxic effects on humans: May cause slight irritation in case of eye contact, inhalation or ingestion.

**11. Ecological information**

Do not allow product to reach ground water, water course, or sewage system.

**12. Disposal guidelines**

Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state and local environmental regulations. When disposing of this reagent through lead or copper plumbing, flush with copious volumes of water to prevent azide buildup in drains.

**13. Transport information**

Not available

**14. Regulatory information**

Observe the general safety regulations when handling chemicals. No single component contains a hazardous ingredient in an amount that requires identification and labelling.

**15. Other**

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.