

Material Safety Data Sheet

Catalog No :	Product Name
A60004	Human TNF-alpha ELISA Kit Elisa Kit

Identification of Substance:

Application of the substance/the preparation: For Research Use Only.
It is not intended for food, drug, household, agricultural or cosmetic use.

Unit Size: order demand

Components: Microplate,
reagents contain Proclin 300, Sodium azide, Tetramethylbenzidine

Hazard Identification:

Hazard statements: H 315 : Causes skin irritation. H319: Causes serious eye irritation

Precautionary statements: P264: Wash hands thoroughly after handling. P280: Wear protective gloves, clothing and eye and face protection.
Response:
IF ON SKIN (or hair): Immediately remove contaminated clothing and wash before re-use. Wash skin immediately with soap and water. Get medical attention if irritation persists after washing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.
IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Rinse mouth.

Classification according to Directive 67/548/EEC: Irritating to eyes and skin.

Other hazards: none

First Aid Measures:

IF IN EYES: Rinse thoroughly with water for at least 15 minutes and immediately consult a physician.

IF ON SKIN (or hair): Immediately take off contaminated clothing or shoes. Wash with

plenty of soap and water. Consult a physician.

IF INHALED: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

IF SWALLOWED: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Immediately consult a physician.

Potential acute / delayed health effects:

- Eye contact: Causes serious eye irritation / causes burns
- Skin contact: Causes skin irritation / causes burns
- Inhalation: Harmful if inhaled. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
- Ingestion: Harmful if swallowed. Irritating to mouth, throat and stomach. / Causes burns

Notes to physician: Consult a physician. Show this safety data sheet to the doctor in attendance.

Fire Fighting Measures:

Suitable extinguishing agents: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Hazards from the substance or mixture: In case of fire, toxic and corrosive gases may be formed

Special precautions for fire-fighters: Self contained breathing apparatus and full protective clothing must be worn in case of fire.

Accidental Release Measures:

Person-related safety precautions: Use appropriate personal protective equipment to prevent contamination of skin, eyes and personal clothing. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Measures for environmental protection: Keep away from drains.

Measures for containment and cleaning: Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Handling and Storage:

Precautions for safe handling: Avoid inhalation of vapour or mist. Use normal measures for preventive fire protection.

Conditions for safe storage: Store in a cool, dry place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Exposure Controls and Personal Protection:

Control parameters: Contains no substances with occupational exposure limit values

Appropriate engineering controls: Use with adequate ventilation including local extraction. Ensure that eyewash stations and safety showers are close to the workstation location.
□ Individual protection measures: Wash hands thoroughly after handling chemical products and before eating, smoking or using the toilet.

Physical and Chemical Properties:

Appearance: Colorless Liquid □ **Upper/lower flammability or explosive limits:** Not available Not available

Odor: Pungent □ **Vapor density:** Not available

Odor threshold: Not available □ **Vapor pressure:** Not available

pH: ~1 □ **Relative density:** Not available

Melting point/freezing point: Not available □

Solubility in/Miscibility with Water: Soluble

Boiling point/Boiling range: Not available □

Partition coefficient: noctanol/water: Not available

Flash point: Not available □ **Auto igniting:** Not available

Evaporation rate: Not available □ **Decomposition temperature:** Not available

Flammability (solid, gas): Not available □

Viscosity: Not available

Stability and Reactivity:

Reactivity: Contact with metals produces highly flammable hydrogen gas. Addition of water liberates excessive heat.

Chemical Stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid: Bases, Halides, Metals, Alkalis, Acetonitrile.

Incompatible materials: Most metals, oxidizers, reducers, bases, metal carbonates, cyanides, sulphides, carbides, oxides, metal acetylides, hydrides, halogens, organic or combustible materials, perchlorates, acetonitrile, permanganates, alcohols, picrates.

Hazardous decomposition products: Products formed under fire conditions: Oxides of Sulphur, Hydrogen gas.

Ecological Information:

Ecotoxicity: This product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

Biodegradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Other adverse effects: No data available.

Disposal Considerations:

Disposal methods: Dispose of waste in accordance to applicable national, regional, or local regulations.

Contaminated packaging: Dispose in the same manner as unused product.

Special precautions: Dispose of small amounts of spilled material as described in section 6. Large spills must be dealt with separately by qualified disposal personnel. Avoid dispersal of spilt material to soil, waterways, drains and sewers.

Note: To the best of our knowledge, the information contained herein is accurate. AAB Biosciences, Inc. shall not be held liable for any damage resulting from handling or contact with the above product. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.
