

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
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1.0 PRODUCT AND COMPANY INFORMATION

- 1.1 Product name: Human 4-1BB Receptor Standard ABTS ELISA Development Kit**
Components: Goat Anti-Human 4-1BB Receptor, Biotinylated Goat Anti-Human 4-1BB Receptor, Recombinant Human 4-1BB Receptor, and Avidin-HRP Conjugate.
- 1.2 Catalog # / Part number: 900-K208**

Application of the substance or mixture: Not for human use.

Other product information: This product has not been registered with CHEMTREC (USA)

2.0 HAZARDS IDENTIFICATION

- 2.1 Classification of substance or mixture:** Not a hazardous substance or mixture.
- 2.2 GHS classification:** Does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC or 1272/2008

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 Воронеж (473)204-51-73
 Екатеринбург (343)384-55-89
 Россия +7(495)268-04-70

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 Казань (843)206-01-48
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 Красноярск (391)204-63-61
 Курск (4712)77-13-04
 Курган (3522)50-90-47
 Липецк (4742)52-20-81
 Казахстан +7(7172)727-132

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2.3 **GHS labeling:** Does not need to be labeled in accordance with EC directives or respective national laws.

2.4 **Special hazards:** None

3.0 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 **Ingredients:** This product does not contain any hazardous substances at concentrations of 1% or greater. This product is not known to contain carcinogens at a concentration of 0.1% or greater. No MSDS is required.

4.0 FIRST AID MEASURES

4.1 **Description of first aid measures:**

Eye contact: May cause eye irritation. Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Skin contact: May cause skin irritation. Immediately flush with plenty of water.

Inhalation: No recognized inhalation hazard. If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Ingestion: No recognized ingestion hazard. If swallowed, drink plenty of water. Get immediate medical attention.

5.0 FIRE FIGHTING MEASURES

5.1 **Classification of substance or mixture:** The product is non-flammable.

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

5.3 **Protective equipment:** Wear self-contained breathing apparatus for firefighting if necessary.

6.0 ACCIDENTAL RELEASE MEASURES

6.1 **Personal precautions:** Use eye protection, gloves, and apron. Implement appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

6.2 **Methods for clean up:** Sweep up, place in bag and hold for disposal. Ventilate area and wash site after material is picked up.

7.0 HANDLING AND STORAGE

7.1 **Handling:** Avoid inhalation. Avoid contact with eyes, skin, and clothing.

7.2 **Storage:** Keep tightly closed. Store Capture Antibody, Detection Antibody and Standard at -20°C until use. Store aliquoted Avidin-HRP Conjugate at -20°C to -80°C.

7.3 **Additional information:** See product data sheet for more information on handling and storage.

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8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Control parameters:** Contains no substances with occupational exposure limit values.
- 8.2 Engineering controls:** Ensure adequate ventilation. Use appropriate personal protective work clothing.
- 8.3 Personal precautions:**
- Eye:** Wear appropriate eye protection.
- Skin:** Wear clothing and gloves that cannot be penetrated by chemicals or oil.
- Inhalation:** Respiratory equipment is not required.

9.0 CHEMICAL AND PHYSICAL PROPERTIES

9.1 Description of chemical and physical properties:

Appearance: Capture Antibody, Detection Antibody, and Standard: Solid; white powder or thin/invisible film.

Avidin-HRP Conjugate: Liquid; light brown

Odor: None

pH: Not available

Vapor pressure: Not available

Vapor density: Not available

Boiling point: Not available

Melting/freezing point: Not available

Flash point UEL/LEL: None established

Evaporation rate: Undetermined

Flammability: Non-flammable material

Solubility: Not available

Specific gravity (water = 1): Not available

Volatile %: Not available

Water content: Not available

Decomposition Temperature: Not available

Autoignition Temperature: None established

VOC content: Not available

Viscosity: Not available

10.0 STABILITY AND REACTIVITY

- 10.1 Stability:** Stable under recommended storage conditions.
- 10.2 Conditions to avoid:** Heat and moisture

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- 10.3 Materials to avoid:** Strong oxidizing agents
- 10.4 Hazardous decomposition:** None determined
- 10.5 Hazardous polymerization:** Does not spontaneously polymerize

11.0 TOXICOLOGICAL INFORMATION

11.1 Potential health effects:

Eye contact: May cause eye irritation.

Skin contact: May cause skin irritation.

Inhalation: May be harmful if inhaled. May be irritating to mucous membranes.

Ingestion: May be harmful if swallowed.

Carcinogenicity: None

Reproductive toxicity: None

Mutagenicity: None

Sensitization: None

12.0 ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity:** Undetermined
- 12.2 Biodegradability:** Undetermined
- 12.3 Mobility:** Undetermined
- 12.4 Bioaccumulation:** Undetermined

13.0 DISPOSAL INFORMATION

- 13.1 Disposal method:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14.0 TRANSPORTATION INFORMATION

14.1 Transport information:

DOT Hazard class: Non-hazardous for transport.

IATA Hazard class: Non-hazardous for transport.

IMDG Hazard class: Non-hazardous for transport.

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15.0 REGULATORY INFORMATION

15.1 US Federal and State Regulations:

CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4): This product is not reportable under 40 CFR Part 302.4.

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355): This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): This product is not defined as hazardous by OSHA under 29 CFR Part 1910.1200(d).

SARA Title III Section 313 (40 CFR Part 372): This product does not contain any of the substances on the Toxic Chemicals List in 40 CFR Part 372.

US Inventory/TSCA (Toxic Substances Control Act): Not listed on inventory

OSHA Hazard Communication Standard: Non-hazardous

California Proposition 65: Not listed on California's listing of known or potential carcinogens.

15.2 Additional Regulations:

WHMIS Controlled Product Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

EC Inventory (EINECS/ELINCS): Not determined

Japan Inventory (MITI): Not determined

Australia Inventory (AICS): Not determined

Korea Inventory (ECL): Not determined

Canada Inventory (DSL): Not determined

Philippine Inventory (PICCS): Not determined

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