

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

SAFETY DATA SHEET

Version: v1

Revision Date: 2024-11-28

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

1.1 Product identifiers

Product name : Recombinant CD3 Antibody (Biotin)
Product Number : Ab178031
Brand : aladdin
CAS-No. : no data available

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

Identified uses : Laboratory chemicals, Manufacture of substances.

1.3 Company

Company : ALADDIN SCIENTIFIC CORPORATION
Address : 14078 Meridian Parkway,
Riverside, CA. 92518
Telephone : +1 (833) 552-7181
Fax : no data available

1.4 Emergency telephone number

CHEMTREC®, Inside the USA : 1-800-424-9300
CHEMTREC®, Outside the USA :

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

2.2 GHS Label elements, including precautionary statements

Pictogram : no data available
Signal word : no data available
Hazard statement(s)
Precautionary statement(s)

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Synonyms : CD_antigen: CD3e; CD3 antigen, delta subunit; CD3; CD3d antigen; CD3d

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antigen, delta polypeptide (TiT3 complex); CD3d molecule, delta (CD3-TCR complex); CD3-DELTA; CD3e antigen; CD3e antigen, epsilon polypeptide (TiT3 complex); CD3e molecule, epsilon (CD3-TCR complex); CD3e; CD3-epsilon; CD3g antigen; CD3g antigen, gamma polypeptide (TiT3 complex); CD3g molecule, epsilon (CD3-TCR complex); CD3g molecule, gamma (CD3-TCR complex); CD3G; CD3-GAMMA; FLJ17620; FLJ17664; FLJ18683; FLJ79544; FLJ94613; IMD18; MGC138597; T3DOKT3, delta chain; T3E; T-cell antigen receptor complex, epsilon subunit of T3; T-cell receptor T3 delta chain; T-cell surface antigen T3/Leu-4 epsilon chain; T-cell surface glycoprotein CD3 delta chain; T-cell surface glycoprotein CD3 epsilon chain; TCRE; 4930549J05Rik antibody; A430104F18Rik antibody; AW552088 antibody; Cd247 antibody; CD247 antigen antibody; CD247 antigen, zeta subunit antibody; CD247 molecule antibody; CD3 antibody; CD3 antigen, delta subunit antibody; CD3 delta antibody; CD3 epsilon antibody; CD3 eta antibody; CD3 gamma antibody; CD3 molecule delta polypeptide antibody; CD3 molecule, epsilon polypeptide antibody; CD3 molecule, gamma; polypeptide antibody; CD3 zeta antibody; CD3-DELTA antibody; CD3d antibody; CD3D antigen delta polypeptide antibody; CD3d antigen, delta polypeptide (TiT3 complex) antibody; CD3d molecule delta antibody; CD3d molecule delta CD3 TCR complex antibody; CD3d molecule, delta (CD3-TCR complex) antibody; CD3D_HUMAN antibody; CD3E antibody; CD3e antigen antibody; CD3E antigen epsilon polypeptide antibody; CD3e antigen, epsilon polypeptide (TiT3 complex) antibody; CD3e molecule epsilon antibody; CD3e molecule epsilon CD3 TCR complex antibody; CD3e molecule, epsilon (CD3-TCR complex) antibody; CD3epsilon antibody; CD3G antibody; CD3g antigen antibody; CD3G antigen gamma polypeptide antibody; CD3g antigen, gamma polypeptide (TiT3 complex) antibody; CD3g molecule gamma antibody; CD3g molecule gamma CD3 TCR complex antibody; CD3g molecule, gamma (CD3-TCR complex) antibody; CD3H antibody; CD3Q antibody; CD3Z antibody; CD3zeta antibody; Ctg3 antibody; FLJ17620 antibody; FLJ17664 antibody; FLJ18683 antibody; FLJ79544 antibody; FLJ94613 antibody; IMD19 antibody; Leu-4 antibody; MGC138597 antibody; OKT3, delta chain antibody; OTTHUMP00000032544 antibody; T cell receptor antibody; T cell receptor T3 delta chain antibody; T cell receptor T3 gamma chain antibody; T cell receptor T3 zeta chain antibody; T cell receptor zeta chain antibody; T cell surface antigen T3/Leu 4 epsilon chain antibody; T cell surface glycoprotein CD3 antibody; T cell surface glycoprotein CD3 delta chain antibody; T cell surface glycoprotein CD3 epsilon chain antibody; T cell surface glycoprotein CD3 gamma chain antibody; T cell surface glycoprotein CD3 zeta chain antibody; T-cell antigen receptor complex, delta subunit of T3 antibody; T-cell antigen receptor complex, epsilon subunit of T3 antibody; T-cell antigen receptor complex, gamma subunit of T3 antibody; T-cell antigen receptor complex, zeta subunit of CD3 antibody; T-cell receptor T3 delta chain antibody; T-cell receptor T3 gamma chain antibody; T-cell surface antigen T3/Leu-4 epsilon chain antibody; T-cell surface glycoprotein CD3 delta chain antibody; T-cell surface glycoprotein CD3 epsilon chain antibody; T-cell surface glycoprotein CD3 gamma chain antibody; T3 antibody; T3d antibody; T3e antibody; T3g antibody; T3z antibody; TCRE antibody; TCRk antibody; Tcrz antibody; TCRzeta antibody; Biotin conjugated Recombinant CD3 Antibody

Formula : no data available
 Molecular weight : no data available

Component	Classification	Concentration
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SECTION 4: First aid measures

4.1 Description of first aid measures

General advice
 Show this material safety data sheet to the doctor in attendance.

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If inhaled

Move the victim into fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration and consult a doctor immediately. Do not use mouth to mouth resuscitation if the victim ingested or inhaled the chemical.

In case of skin contact

Take off contaminated clothing immediately. Wash off with soap and plenty of water. Consult a doctor.

In case of eye contact

Rinse with pure water for at least 15 minutes. Consult a doctor.

If swallowed

Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor or Poison Control Center immediately.

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) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

no data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Use dry chemical, carbon dioxide or alcohol-resistant foam.

Unsuitable extinguishing media

no data available

5.2 Special hazards arising from the substance or mixture

no data available

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing mist, gas or vapours. Avoid contacting with skin and eye. Use personal protective equipment. Wear chemical impermeable gloves. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

6.2 Environmental precautions

Prevent further spillage or leakage if it is safe to do so. Do not let the chemical enter drains. Discharge into the

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environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Collect and arrange disposal. Keep the chemical in suitable and closed containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Operators should be specially trained and strictly abide by the operating procedures. Operation and disposal should be carried out in a place with local ventilation or general ventilation facilities. Avoid eye and skin contact and avoid breathing vapor. See Section 8 for personal protective measures. Keep away from fire and heat sources, and smoking is strictly prohibited in the workplace. Use explosion-proof ventilation systems and equipment. If canning is required, the flow rate should be controlled, and there should be a grounding device to prevent the accumulation of static electricity. Avoid contact with incompatible substances such as oxidizing agents (see section 10 for incompatible substances). When handling, it should be lightly loaded and unloaded to prevent damage to packaging and containers. Empty containers may be harmful residues. Wash hands after use and prohibit eating or drinking in the workplace. Equipped with the corresponding variety and quantity of fire fighting equipment and leakage emer

7.2 Conditions for safe storage, including any incompatibilities

Store at 2-8°C, Protected from light, Avoid repeated freezing and thawing

7.3 Specific end use(s)

no data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after

use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of Regulation (EU)2016/425 and the standard EN 374 derived from it.

Body Protection

Complete suit protecting against chemicals, Flame retardant antistatic protective clothing., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a fullface particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection,use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN(EU).

Control of environmental exposure

If safety requires, prevent further leakage or spillage. Do not let the product enter the sewer.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Appearance	no data available
b) Odour	no data available
c) Odour Threshold	no data available
d) pH	no data available
e) Melting point/freezing point	no data available
f) Initial boiling point and boiling range	no data available
g) Flash point	no data available
h) Evaporation rate	no data available
i) Flammability (solid, gas)	no data available
j) Upper/lower flammability or explosive limits	no data available
k) Vapour pressure	no data available
l) Vapour density	no data available
m) Relative density	no data available
n) Water solubility	no data available
o) Partition coefficient: n-octanol/water	no data available
p) Auto-ignition temperature	no data available
q) Decomposition temperature	no data available
r) Viscosity	no data available
s) Explosive properties N	no data available
t) Oxidizing properties N	no data available

9.2 Other safety information

no data available

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SECTION 10: Stability and reactivity

10.1 Reactivity

no data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

no data available

10.4 Conditions to avoid

no data available

10.5 Incompatible materials

no data available

10.6 Hazardous decomposition products

no data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

no data available

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitisation

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

Additional Information

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To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: Ecological information

12.1 Toxicity

no data available

12.2 Persistence and degradability

no data available

12.3 Bioaccumulative potential

no data available

12.4 Mobility in soil

no data available

12.5 Results of PBT and vPvB assessment

no data available

12.6 Other adverse effects

no data available

SECTION 13:

13.1 Disposal considerations

Product

Recycle to process, if possible. Consult your local regional authorities and an expert of disposal. You may be able to dissolve or mix material with a combustible solvent and little by little burn in a chemical incinerator equipped with an afterburner and scrubber system. If a large amount of the substance is burned at a time, an explosion may occur.

Observe all federal, state and local regulations when disposing of the substance.

Contaminated packaging

Dispose of as unused product.

SECTION 14: Transport information

DOT (US)

UN number: no data available

Proper shipping name: no data available

Environmental Hazards: no data available

Packing group: no data available

Reportable Quantity(RQ): no data available

Class: no data available

Poison Inhalation Hazard: no data available

IMDG

UN number: no data available

Packing group: no data available

EMS-No: no data available

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Proper shipping name: no data available

IATA

UN number: no data available

Packing group: no data available

Class: no data available

Proper shipping name: no data available

SECTION 15: Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

SECTION 16: Other information

Prepared By

Regulatory Affairs

ALADDIN SCIENTIFIC CORPORATION

Email: QualityAssurance@aladdinsci.com

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01-Dec-2024

Revision Summary

SDS sections updated v1

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