Safety Data Sheet (SDS)

This product is a chemical substance and is intended to be used by persons having chemical knowledge and skill, at their own discretion and risk.

Revision Date: June 28, 2018

Section 1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier
Product Name: Anti-Nitroguanosine polyclonal antibody
Product Code: AB01
CAS Number: -
EC Number: -

1.2 Details of the supplier of the safety data sheet
Company: Dojindo Laboratories
Address: Tabaru 2025-5 Mashiki-machi, Kamimashiki-gun, Kumamoto 861-2202, Japan
Telephone: +81-96-286-1515
Fax: +81-96-286-1525
Emergency phone number: +81-96-286-1515

1.3 Product use
For research use only.

Section 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]
- Acute toxicity, Category 3 (Oral)
- Acute toxicity, Category 3 (Derm)
- Skin sensitisation, Category 1, 1A, 1B
- Specific target organ toxicity – single exposure, Category 3
- Acute aquatic toxicity, Category 1

2.2 Label elements
Labeling according Regulation (EC) No 1272/2008 [EU-GHS/CLP]
Pictogram:

Signal word: Danger

Hazard statement(s):
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.

Precautionary statement(s):
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash hands/face/forearms/clothing thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Product Name: Anti-Nitroguanosine polyclonal antibody
Synonyms: Polyclonal anti-nitroguanosine antibody
Concentration: ≤ 100 %
Formula: -
Molecular Weight: -

Section 4. FIRST AID MEASURES

4.1 Description of first aid measures
If inhaled: If breathed in, move into fresh air. Seek medical advice if discomfort occurs. If not breathing, give artificial respiration. Call a physician.
If swallowed: Do not induce vomiting. Wash out mouth with water. Never give anything by mouth to an unconscious person. Seek medical attention.
In case of skin contact: Wash off with plenty of water. Remove contaminated clothing and launder before reuse.
In case of eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation occurs.

4.2 Most important symptoms and effects, both acute and delayed
No information available.

4.3 Indication of any immediate medical attention and special treatment needed
No information available.

Section 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media
Use extinguishing media appropriate for the surrounding fire.

5.2 Special hazards arising from the substance or mixture
May emit toxic fumes under fire conditions.

5.3 Special protective equipment for firefighters
Wear self-contained breathing apparatus and full protective clothing if necessary.

Section 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Avoid formation of dust. Avoid breathing dust, vapors, mist or gas. Avoid contact with skin and clothing.

6.2 Environmental precautions
Prevent further leakage. Prevent contamination of drains with product.

6.3 Methods and materials for containment and cleaning up
Pick up and collect product in suitable container for disposal.

Section 7. **HANDLING AND STORAGE**

7.1 **Precautions for safe handling**
Avoid contact with skin and eyes. Avoid formation of dust. Avoid breathing dust, vapors, mist or gas. Wear appropriate protective personal equipment. Use only with adequate ventilation.

7.2 **Conditions for safe storage, including any incompatibilities**
Keep tightly closed.
Store in a deep freeze at -20°C, dark and dry place.

Section 8. **EXPOSURE CONTROLS / PERSONAL PROTECTION**

8.1 **Control parameters**
Contains no substances with occupational exposure limit values.

8.2 **Exposure controls**

**Engineering measures**
Ensure adequate ventilation, especially in confined areas.

**Hygiene measures**
Handle in accordance with good industrial hygiene and safety practice. When using, do not eat, drink or smoke. Wash hands, forearms and face after handling.

**Personal protective equipment**

**Eye/face protection:** Wear safety glasses with side-shields conforming to European Standard EN166.

**Hand protection:**
Wear protective gloves conforming to EU Directive 89/686/EEC and European Standard EN374. Gloves must be inspected prior to use. Avoid skin contact with product when remove gloves. Dispose of contaminated gloves safely after use.

**Skin and body protection:**
Wear laboratory coat or impervious clothing. Choose appropriate body protection according to the amount and concentration of the substance at the work place.

**Respiratory protection:**
Wear suitable respiratory equipment in case of inadequate ventilation.

Section 9. **PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

| a) Appearance | Colorless to pale yellow slightly turbid liquid |
| b) Odor | No data available |
| c) Odor 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) Vapor pressure | No data available |
| l) Vapor density | No data available |
| m) Relative density | No data available |
| n) Solubility(ies) | 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 | No data available |
| t) Oxidizing properties | No data available |

Section 10. **STABILITY AND REACTIVITY**

**Stability and reactivity**

| Reactivity | Stable |
| Chemical stability | Stable at a deep freeze at -20°C, dark and dry place. |
| Possibility of hazardous reactions | No data available |
| Conditions to avoid | Heat, sunlight, high temperature |
| Incompatible materials | Strong oxidizing agents, strong acids and bases |
| Hazardous decomposition products | No data available |

Section 11. **TOXICOLOGICAL INFORMATION**

11.1 **Information on toxicological effects**
a) Acute toxicity: No data available
b) Skin corrosion / irritation: No data available
c) Serious eye damage/eye irritation: No data available
d) Carcinogenicity: No data available
e) Reproductive toxicity: No data available
f) STOT - SE: No data available
g) STOT - RE: No data available
h) Aspiration hazard: No data available

### 11.2 Potential health effects

| Ingestion: | May be harmful if swallowed. |
| Inhalation: | May be harmful if inhaled. Causes respiratory tract irritation. |
| Skin: | May be harmful if absorbed through skin. Causes skin irritation. |
| Eyes: | Causes serious eye irritation. |

### 11.3 Additional Information
No additional information is available

### Section 12. ECOLOGICAL INFORMATION

#### 12.1 Ecotoxicity
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

### Section 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods
Product
Contact a licensed professional waste disposal service to dispose of this material. Dispose of in accordance with local regulations.

#### Contaminated packaging
Dispose of as unused product. Do not reuse empty containers.

### Section 14. TRANSPORT INFORMATION

#### 14.1 UN number

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#### 14.2 UN proper shipping name

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#### 14.3 Transport hazard class(es)

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#### 14.4 Packaging group

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#### 14.5 Environmental hazards

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### Section 15. REGULATORY INFORMATION


#### 15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture
No information available

#### 15.2 Chemical Safety Assessment
No information available

### Section 16. OTHER INFORMATION

#### Key to abbreviations and acronyms

| STOT-SE: | Specific Target Organ Toxicity - Single Exposure |
| STOT-RE: | Specific Target Organ Toxicity - Repeated Exposure |
| PBT: | Persistent Bioaccumulative and Toxic |
| vPvB: | very Persistent very Bioaccumulative and toxic |
| ADR: | european Agreement concerning the international carriage of |
This product is a chemical substance and is intended to be used by persons having chemical knowledge and skill at their own discretion and risk. This SDS was prepared with our best knowledge based on the information obtained. However, it does not provide any warranty on the data and the assessment of hazards and toxicity information be covered. For use, please investigate not only the hazards and toxicity information but also the laws and regulations of the organization, region and country where the product be used.

In case you use the information on SDS for important decision, we strongly recommend you to confirm the source of information and the data with your own investigation. Please be noted that the physicochemical data and contents indicated in this SDS are not guaranteed values, only a guide.

The cautions stated are for normal handling only. Additional care may be required for any special handling. The data and/or information used on this SDS may be updated by new knowledge and/or amendments of the conventional theory. Therefore, please check the most updated version of SDS which is available at www.dojindo.com.