# SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY / UNDERTAKING

**1.1 Product identifier.**

**Product name:** **Human DLL4 Recombinant Rabbit Monoclonal Antibody [PSH29-27] - BSA and Azide free (Detector)**

**Product number:** **HA724856**

**Pure substance/mixture:** Mixture

**1.2 Relevant identified uses of the substance or mixture and uses advised against: Product use:** For research purposes only. Not for diagnostic purposes

**1.3 Details of the supplier of the safety data sheet:**

**Company:**
HUABIO
300 Tradecenter Drive, Suite 1710
Woburn, MA 01801, USA
E-mail address: support@huabio.com

# SECTION 2. HAZARDS IDENTIFICATION

**2.1 Classification of the substance or mixture according to CLP No 1272 / 2008/GB CLP.**

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

**2.2 Label elements CLP No 1272/2008/GB**

**CLP.**

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

**2.3 Other hazards.**
Contains no PBT or vPvB substances according to REACH No 1907/2006.
This mixture does not contain substances with endocrine disrupting properties in accordance with the criteria laid down in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

# SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Subtance:**
The product is a mixture.

**3.2 Mixtures:**

No components need to be disclosed according to the applicable regulations.

## SECTION 4. FIRST AID MEASURES

**4.1 Description of first aid measures.**

**Inhalation:** Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

**Skin contact:** Wash skin with plenty of soap and water. Seek doctor if irritation persist.

**Eye contact:** Remove contact lenses. Flush eyes with plenty of water for several minutes. Make sure you flush under the upper and lower eyelids. If irritation continues, contact a doctor.

**Swallow:** Rinse mouth

**4.2 Most important symptoms and effects, both acute and delayed:**
For more information, see Section 2.2.

**4.3 Indication of any immediate medical attention and special treatment needed:**
Treat symptomatically.

## SECTION 5. FIRE FIGHTING MEASURES

**5.1 Extinguishing media:** Water spray, dry chemical, carbon dioxide (CO2) or chemical foam.

**Unsuitable extinguishing media:**

For this substance/mixture no limitations of extinguishing agents are given.

**5.2 Special hazards arising from the substance or mixture:**

Carbon oxides

Not combustible.

**5.3 Advice for firefighters:** Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions, protective equipment and emergency procedures:**
Ensure adequate ventilation.

**6.2 Environmental precautions:**
See section 12 for additional environmental disclosures.

**6.3 Methods and material for containment and cleaning up:**
Avoid further leaks or spills if it is safe to do.
Pick up mechanically and dispose of in suitable containers.

**6.4 Reference to other sections:**
See section 8 for information on personal protection equipment. See section 13 for disposal information.

## SECTION 7. HANDLING AND STORAGE

**7.1 Precautions for safe handling:**

Ensure adequate ventilation.

**7.2 Conditions for safe storage, including any incompatibilities:**

Keep container tightly closed and recommended storage temperature -20 °C.

Storage class (TRGS 510) LGK 10.

**7.3 Specific end use(s):** The identified uses for this product are detailed in Section 1.2.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Control parameters**

**8.2 Exposure controls.**

**Appropriate technical measures:**

Change contaminated clothing. Wash hands after working with substance.

**General information:** Make sure that eyewash station is available.

**Personal protective equipment:**

Only CE-marked personal protection equipment should be used.

**Respiratory protection:** Not necessary.

**Hand protection:** Wear gloves. EN 374.
Option: Nitrile gloves: ≥120
min. Thickness: ≥0.25 mm.

**Eye protection:** Wear tightly safety goggles. EN 166.

**Body protection:** Normal work clothing.

**Measures to avoid environmental exposure:**

No special precautions are necessary.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**9.1 Information on basic physical and chemical properties.**

| | |
|---|---|
| Physical state: | Liquid |
| Colour: | No data available. |
| Odour: | No data available. |
| Melting point/freezing point: | No data available. |
| Boiling point: | No data available. |
| Flammability: | No data available. |
| Lower and upper explosion limit: | No data available. |
| Flash point: | No data available. |

| | |
|---|---|
| Auto-ignition temperature: | No data available. |
| Decomposition temperature: | No data available. |
| pH: | No data available. |
| Kinematic viscosity: | No data available. |
| Solubility: | No data available. |
| Partition coefficient n-octanol/water: | No data available. |
| Vapour pressure: | No data available. |
| Density and/or relative density: | No data available. |
| Relative vapour density: | No data available. |
| Particle characteristics: | No data available. |

**9.2 Other information:**
None.

## SECTION 10. STABILITY AND REACTIVITY

**10.1 Reactivity:** No information is available.

**10.2 Chemical stability:** Stable under normal conditions.

**10.3 Possibility of hazardous reactions:**
None known.

**10.4 Conditions to avoid:** None known.

**10.5 Incompatible materials:** Strong oxidizing agents.

**10.6 Hazardous decomposition products:**
According to available information, none known.

## SECTION 11. TOXICOLOGICAL INFORMATION

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008.**

**Acute toxicity:** Oral: No date available

Inhalation:No date available

Dermal: No date available

**Skin corrosion/irritation:** No date available

**Serious eye damage/irritation:** No date available

**Respiratory or skin sensitisation:** No date available

**Germ cell mutagenicity:** No date available

**Carcinogenicity:** No date available

**Reproductive toxicity:** No date available

**Specific target organ toxicity - single exposure:** No date available

**Specific target organ toxicity - repeated exposure:** No date available

**Aspiration hazard:** No date available

**11.2 Information on other hazards:**

**Endocrine disrupting properties:**
The product/substance has no endocrine disrupting properties.

**Other information:** Ingestion May irritate the digestive system.
Skin contact Skin irritation.
Eye contact May cause severe eye damage.

## SECTION 12. ECOLOGICAL INFORMATION

**12.1 Toxicity:**
Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

**12.2 Persistence and degradability:** Inherently biodegradable.

**12.3 Bioaccumulative potential:** Material does not bioaccumulate.

**12.4 Mobility in soil:** No information available.

**12.5 Result of PBT and vPvB assesment:**
This substancee does not meet the criteria for PBT or vPvB according to regulation.

**12.6 Endocrine disrupting properties:**
The product/substance has no endocrine disrupting properties.

**12.7 Other adverse effects:** None known.

## SECTION 13. DISPOSAL CONSIDERATIONS

**13.1 Waste treatment methods:**

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental regulations.

**Contaminated packing:** Do not reuse emptied containers.

## SECTION 14. TRANSPORT INFORMATION

This product is not classified as dangerous of transport.

| | **ADR/RID** | **IMDG/IMO** |
|---|---|---|
| **14.1 UN number or ID number** | Not relevant | Not relevant |

| | | |
|---|---|---|
| **14.2 UN proper shipping name** | Not relevant | Not relevant |
| **14.3 Transport hazard class(es)** | Not relevant | Not relevant |
| **14.4 Packing group** | Not relevant | Not relevant |
| **14.5 Environmental hazards - MP EmS:** | No<br>Not relevant | No<br>Not relevant |
| **Other informations** | LQ: Not relevant<br>Tunnel: Not relevant | LQ: Not relevant<br>Tunnel: Not relevant |

**14.6 Special precautions for user:**

Not relevant.

**14.7 Maritime transport in bulk according to IMO instruments:**

Not relevant.

## SECTION 15. REGULATORY INFORMATION

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Sources:** Current ADR regulations 2024. Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 2013. Regulation (EU) 2016/425 of 9 March 2016 on personal protective equipment. Hazardous Waste (England and Wales) Regulations 2005 (as amended). EC regulation 1907/2006 (REACH) Directive 2000/532/EC. Seveso directive: 96/82/EC. EC regulation No 2020/878. CLP regulation No 1272/2008.
REACH regulation 1907/2006. GB CLP.

**15.2 Chemical safety assessment:**

Not necessary.

## SECTION 16. OTHER INFORMATION

**Additional information:**
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.