



DISCOVERY<sup>®</sup>  
ANTIBODIES

## Material Safety Data Sheet

### Section 1: Identification Of The Substance/Mixture and of the Company/Undertaking

#### 1.1 Product identifier

Product Codes  
Product Name

Unique identifier  
Antibody

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

Recommended use  
Uses advised against

For research use only  
Not intended for therapeutic or human use

#### 1.3 Details of the supplier of the safety data sheet

Cambridge Research Biochemicals  
17-18 Belasis Court,  
Belasis Hall Technology Park  
Billingham  
Cleveland.  
TS23 4AZ  
UK  
Tel: +44 (0)1642 567 180  
Fax: +44 (0)1642 567 181  
For further information, please contact: [help@discoveryantibodies.com](mailto:help@discoveryantibodies.com)

#### 1.4 Emergency telephone number

Emergency telephone - Tel: +44 (0)1642 567 183 (08.30-17.00 GMT, Monday to Friday)

### Section 2: Hazards Identification

#### 2.1 Classification of the substance or mixture

GHS / CLP - REGULATION (EC) No 1272/2008  
Monoclonal antibodies derived from animal origin, hybridised with a mouse myeloma cell line

Polyclonal antibodies derived from animal origin, purified by affinity chromatography and supplied in buffered saline.

#### 2.2 Label elements

Not dangerous

Buffers	All constituents of the buffers in which antibodies are supplied contain chemicals designated as non-regulated (NR) by BDH Hazard Class System that corresponds to UN Hazard Classification
Preservatives	Sodium azide (NaN <sub>3</sub> , CAS No.: 26628-22-8) – The majority of antibodies contain 0.01% w/v sodium azide as a preservative (refer to the individual product datasheet for further information). Sodium azide is highly toxic if swallowed (R28): Causes irritation of mouth, pharynx, gullet and gastro-intestinal tract.
Health warning	<b>Skin:</b> Causes skin irritation <b>Eye:</b> Causes eye irritation <b>Inhalation:</b> Mucosal irritation, cough, dyspnoea, pulmonary oedema after lag time <b>Sensitizing effects:</b> Not known <b>Additional toxicological advice:</b> Systemic effects: Disorders of CNS, circulatory failure, low blood pressure, cough, dyspnoea, spasms, headache, dizziness, nausea, vomiting, collapse, unconsciousness. If ingested wash your mouth with water and drink plenty of water
Stability and Reactivity	<b>Conditions to avoid:</b> Humidity; Contact with water, acids, heavy metals (lead, copper), metal, salts, bromine, methylene chloride, carbon disulphide, sulfuric acid, halogenated hydrocarbons <b>Hazardous reactions:</b> May liberate toxic gas <b>Hazardous decomposition products:</b> Nitrous gas
Stabilisers	Thiomersal – The majority of antibodies contain 1% w/v thiomersal as a stabiliser (refer to the individual product datasheet for further information). Thiomersal is toxic substance and can cause irritation to eyes and skin. Avoid ingestion or contact with skin and eyes. Wear appropriate protective clothing (EC) No 1272/2008) P280
Precautionary Statements	Wear appropriate protective gloves and protective clothing

### 2.3 Other information

Caution - substance not yet tested completely

## Section 3: Composition/Information On Ingredients

### 3.1 Substances

This product contains antibodies derived from animal origin, supplied in buffered saline. A chemical preservative such as sodium azide will typically be present (refer to the individual product datasheet for further information). A chemical stabiliser such as thiomersal will typically be present (refer to the individual product datasheet for further information).

For the full text of the H-Statements mentioned in this Section, see Section 16

## Section 4: First Aid Measures

### 4.1 Description of first aid measures

Inhalation	If inhaled, move away from the exposure and into fresh air.
Skin contact	In case of contact wash off immediately with soap and plenty of water. Removing all contaminated clothes and shoes
Eye Contact	Immediately flush eyes with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes
Ingestion	If ingested wash your mouth with water. Drink plenty of water

### 4.2 Most important symptoms and effects, both acute and delayed

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

Notes to physician      Treat symptomatically.

## Section 5: Fire-Fighting Measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### 5.2 Special hazards arising from the substance or mixture

#### Special hazard

**For sodium azide do not use water directly on the fire, use dry chemical powder, appropriate foam or carbon dioxide (CO<sub>2</sub>)**

### 5.3 Advice for fire-fighters

#### Special protective equipment for fire-fighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

## Section 6: Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.  
Wear disposable gloves and protective clothing  
Clear spill immediately.  
Refer to protective measures listed in sections 7 and 8.

### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so.

### 6.3 Methods and materials for containment and cleaning up

Contain and collect spillage with absorbent material and place in a container for disposal according to local/ national regulations (see Section 13).

## Section 7: Handling And Storage

### 7.1 Precautions for safe handling

Store antibody as directed on the individual product information sheet.

#### 7.1.2 Advice on general occupational hygiene

- Wear appropriate protective clothing: Safety glasses, latex gloves
- Do not eat, drink and smoke in work areas
- Wash hands before and after using the product
- Remove contaminated clothing and protective equipment before entering eating areas.

### 7.2 Conditions for safe storage, including any incompatibilities

Store antibody as directed on the individual product information sheet.  
Keep containers tightly closed in a dry, cool and well-ventilated place.  
Keep out of the reach of children.

Keep in properly labelled containers.

### 7.3 Specific end uses

Specific use(s)	No information available
Exposure scenario	No information available

## Section 8. Exposure Controls/Personal Protection

### 8.1 Control parameters

Exposure limits	National occupational exposure limits
Derived No Effect Level	No information available
Predicted No Effect Concentration	No information available

### 8.2 Exposure controls

Engineering measures	Ensure adequate ventilation, especially in confined areas. Employ good laboratory hygiene practice
<b>Personal protective equipment:</b>	
Eye protection	Safety glasses with side-shields
Hand protection	Protective gloves
Skin and body protection	Long sleeved laboratory coat
Respiratory protection	No special protective equipment required
Thermal hazards	No information available
Hygiene measures	When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Provide regular cleaning of equipment, work area and clothing
Environmental exposure controls	Do not allow material to contaminate ground water system

## Section 9: Physical And Chemical Properties

### 9.1 Information on basic physical and chemical properties

Property	Values	Note
Physical State at 20°C	Liquid	Appearance colourless to pale yellow
Odour	No information available	
Melting/freezing point	No information available	
Boiling point/boiling range	No information available	
Flash Point	No information available	
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability limits in Air:		
- upper flammability limit	No information available	
- lower flammability limit	No information available	
Vapour pressure	No information available	
Vapour density	No information available	
Relative density	No information available	
Water solubility	No information available	
Solubility in other solvents	No information available	
Partition coefficient: n-octanol/water	No information available	
Autoignition temperature	No information available	
Decomposition temperature	No information available	
Viscosity, kinematic	No information available	
Explosive properties	No information available	

## 9.2 Other information

VOC Content (%)

No information available

## Section 10: Stability And Reactivity

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

Stable under normal handling conditions.

### 10.3 Precautionary Statements

None under normal processing.

### 10.4 Conditions to avoid

Heat, flames and sparks

### 10.5 Incompatible materials

None in particular

### 10.6 Hazardous decomposition products

Not applicable

## Section 11: Toxicological Information

### 11.1 Information on toxicological effects

#### Acute toxicity

Product Information

Product does not present an acute toxicity hazard based on known or supplied information

Inhalation

No information available

Eye Contact

No information available

Skin Contact

No information available

Ingestion

No information available

#### Chronic toxicity

Corrosivity

No information available

Sensitisation

No information available

Neurological effects

No information available

Reproductive toxicity

No information available

Mutagenic effects

Target Organ Effects

## Section 12. Ecological Information

### 12.1 Toxicity

**Ecotoxicity effects** As supplied, the preparation is not expected to present significant adverse environmental effects.

### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

No information available.

### 12.6 Other adverse effects

No information available.

## Section 13: Disposal Consideration

### 13.1 Waste treatment methods

Waste from residues / unused

Products

Contaminated packaging

Dispose of in accordance with local regulations

Empty containers should be taken to an approved waste handling site for recycling or disposal

## Section 14: Transport Information

ADR Not dangerous goods

IATA Not dangerous goods

DOT Not dangerous goods

## 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

### Indication of changes

Version 1.0 Initial Issue

### Training Advice:

User should be trained in safe laboratory practice and good industrial hygiene practice

### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication.