

Material Safety Data Sheet (SDS)

Conforms to Regulation (EC) No. 1907/2006 (REACH)

1. Identification of the substance/mixture and of the company undertaking

1.1. Product identifier

Product name	ImmuSmol antibody preparation
Article number	KY-ABSP, IS001, IS002, IS003, IS004, IS005, IS006, IS007, IS008, IS009, IS010, IS011, IS012, IS013, IS014, IS015, IS016, IS017, IS018, IS019.
	This mixture is exempted from Registration according to the provisions of Article 2(7)(a) of REACH.

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

Relevant identified uses	Laboratory reagent (PC21) for research use only
Uses advised against	Not for any therapeutic, diagnostic, consumption use in human or animal consumer or animal use.
Reason why uses advised against	Patent protected, no toxicological data available yet

1.3. Details of the supplier of the Safety Data Sheet

Company	ImmuSmol SAS
Address	PTIB – Hôpital Xavier Arnoz, Avenue Haut Lévêque 33 600 Pessac - FRANCE
Telephone	+ 33 (0)5 47 30 27 72
Email	contact@immusmol.com
Web site	www.immusmol.com
National contact	ImmuSmol SAS

1.4. Emergency telephone number

Emergency telephone	+ 33 (0)1 45 42 59 59 (ORFILA – INRS – France)
Other comments	This telephone number gives contacts of all French poison centers ("centres anti-poison et de toxicovigilance"). These information centers provide you with free medical advice (except the cost of call), 24 hours a day, 7 days a week.

2. [Hazards identification](#)

2.1. Classification of the substance or mixture

EU Directive 1999/45/EG Not classified as hazardous substance or mixture

EU Regulation 1272/2008 Not classified as hazardous substance or mixture

2.2. Label elements

Label In Accordance With (EC) No. 1272/2008 No pictogram required.

Supplemental label information EUH210 Safety data sheet available on request.

2.3. Other hazards

No information available

3. [Composition/information on ingredients](#)

3.1. Mixtures

Description of the mixture Purified monoclonal antibody (lyophilized powder, 25µg or 50µg vials) supplied in a buffer consisting of 0.01 M phosphate buffer, pH 7.4, with 0.14 M NaCl and BSA 0,2%.

Hazardous ingredients No hazardous ingredient is present in an amount requiring labelling.

4. [First aid measures](#)

4.1. Description of first aid measures

General notes Consult a physician. Show this safety data sheet to the doctor in attendance.

Inhalation Fresh air.

Skin contact Wash the skin with soap & water

Eye contact Remove contact lenses. Rinse eye with water.

Ingestion Never give anything by mouth to an unconscious person. Rinse mouth with water.

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

No data available.

4.3. Indication of any immediate medical attention and special treatment

No data available.

5. [Fire-fighting measures](#)

5.1. Extinguishing media

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products	None under normal conditions
Unusual Fire & Explosion Hazards	No unusual fire or explosion hazards noted.
Specific hazards	No specific reactivity hazards associated with this product.

5.3. Advice for firefighters

No specific fire fighting procedure given. Wear protective clothing and self contained breathing apparatus appropriate for surrounding materials.

6. [Accidental release measures](#)

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Avoid breathing vapours.

6.2. Environmental precautions

Sweep up and hand over to waste management. Do not allow entering drains, sewers or watercourses.

6.3. Methods and material for containment and cleaning up

Keep in suitable, closed containers for disposal. Absorb spillage with suitable absorbent material. Do not contaminate water sources or sewer.

6.4. Reference to other sections

See Section 8 and 13 of this safety data sheet.

7. [Handling & storage](#)

7.1. Precautions for safe handling

General good laboratory practice should be maintained. Wash hands and contaminated areas with water and soap before leaving the work site. All vials contain Bovine Serum Albumin (BSA) – should not get in contact with ruminating animals.

7.2. Conditions for safe storage, including any incompatibilities

Keep in original container with lids tightly closed, preferably in the dark. Store at +4°C until reconstitution. Store at -20°C after reconstitution in water/glycerol mixture. Refer to instructions.

7.3. Specific end uses

Only for laboratory use – Research use only. Patent protected. Not to be used for any other purpose, including but not limited to, unauthorized commercial uses, diagnostic and therapeutic use, or any type of consumption by human or animals.

8. [Exposure control/personal protection](#)

8.1. Control parameters

Do not contain substances with professional exposure limit.

8.2. Exposure controls

Appropriate engineering controls

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

Personal Protection

Eye/face protection	Provide eyewash station. If risk of splashing, use equipment for eye protection tested and approved under appropriate standards such as EN 166 (EU) and NIOSH (US)
Skin protection	If risk of skin contact, use suitable protective gloves satisfying the specifications of EU directive 89/686/EEC and the standard EN 374 derived from it.
Respiratory protection	Not required. In case of unintentional release of the substance, use type ABEK (EU EN 14387) or OV/AG (US) type respirator cartridges. Use respirators and components tested and approved under appropriate government standards.

Environmental Exposure Controls

See section 13.

9. [Physical & chemical properties](#)

9.1. Information on basic physical and chemical properties

(a) Appearance:	Form: white powder
(b) Odour:	No characteristic odour
(c) Odour threshold;	No data available
(d) pH	7.4
(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
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(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)	Solubility(ies);	Soluble in water
(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)	Oxidising properties	No data available

9.2. Other information

None.

10. [Stability & reactivity](#)

10.1. Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

Avoid contact with strong oxidizing agents, strong acids.

10.6. Hazardous decomposition products

None under normal conditions.

11. [Toxicological information](#)

11.1. Information on toxicological effects

(a)	acute toxicity	Not determined
(b)	skin corrosion/irritation	Not determined
(c)	serious eye damage/irritation	Not determined

(d)	respiratory or skin sensitization	Not determined
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(e)	germ cell mutagenicity	Not determined
(f)	carcinogenicity	Not determined
(g)	reproductive toxicity	Not determined
(h)	STOT-single exposure	Not determined
(i)	STOT-repeated exposure	Not determined
(j)	aspiration hazard	Not determined

11.2. Potential toxicological health effects

Inhalation	May cause respiratory tract irritation.
Ingestion	May cause discomfort if swallowed
Skin	May irritate skin
Eye	May cause irritation and smarting

11.3. Health warnings

Because of quantity and composition, health hazard is small.

11.4. Route of entry

Ingestion, inhalation, skin or eye contact.

12. [Ecological information](#)

12.1. Toxicity

Not determined.

12.2. Persistence & degradability

Not determined.

12.3. Bioaccumulative potential

Not determined

12.4. Mobility in soil

Product is soluble in water.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

12.7. Additional information

All vials contain Bovine Serum Albumine (BSA) - The product should not get in contact with ruminating animals.

13. [Disposal considerations](#)

When handling waste, consideration should be made to the safety precautions applying to handling of the product.

13.1. Waste treatment methods

Contact a licensed professional waste disposal service.

14. [Transport information](#)

The product is not classified Dangerous goods according to The European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR).

14.1. UN number

Not relevant

14.2. UN proper shipping name

Not relevant

14.3. Transport hazard class(es)

Not relevant

14.4. Packing group

Not relevant

14.5. Environmental hazards

Not relevant

14.6. Special precautions for user

Not relevant

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not relevant

15. [Regulatory information](#)

15.1. Safety, health & environmental regulations/legislation specific for the substance of mixture

EU regulations	Product not requiring classification or labelling under regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
Authorisations and/or restrictions on use	For research use only. Patent protected. Any commercial, diagnostic or therapeutic use prohibited.

15.2. Chemical Safety Assessment

No Chemical Safety Assessment available.

16. [Other information](#)

Manufacturer	ImmuSmol SAS
Advice for workers	See section 8

Disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Information in this document is based on the present state of knowledge and is applicable to the product with regards to appropriate safety precautions. It does not represent any guarantee of the properties of the product. ImmuSmol shall not be held liable for any damage resulting from handling or from contact with above product.