

Product name Myelin Basic Protein (D8X4Q) & CO-0121-750 SignalStar® Oligo-Antibody Pair

Revision Date: 2025-05-19

Issuing Date: 2024-10-10

(M)SDS Number 37014

Version 2

1. Identification

Product identifier

Product name Myelin Basic Protein (D8X4Q) & CO-0121-750 SignalStar® Oligo-Antibody Pair

Kit Component 75905: Myelin Basic Protein (D8X4Q) XP® Rabbit mAb (SignalStar® Conjugate 0121)
67427: Complementary Oligo (CO-0121-750)

Other means of identification

(M)SDS Number 37014

Chemical name	English chemical name	CAS No.
glycerol	Glycerol	56-81-5
polyethylene glycol	Polyethylene glycol	9002-93-1
p-(1,1,3,3-tetramethylbutyl)phenylether	p-(1,1,3,3-tetramethylbutyl)phenylether	
sodium azide	Sodium azide	26628-22-8

Details of the supplier of the safety data sheet

Manufacturer

Cell Signaling Technology, Inc.
3 Trask Lane
Danvers, MA 01923
United States
TEL: +1 978 867 2300
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販売業社

Cell Signaling Technology, Inc.
Building 7
A-SUN Science & Technology Park
399 Shengxia Road
Pudong Shanghai 201210
China
TEL: 4006-473287
FAX: (86) 21-5835-6116

Supplier

No information available

E-mail address support@cellsignal.com

Emergency telephone number

Emergency telephone 400 120 4937

Recommended use of the chemical and restrictions on use

Identified uses For research use only

Restrictions on use No information available

2. Hazard(s) identification

Emergency Overview

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS).

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Appearance Clear Colorless	Physical state Liquid	Odor No information available
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Classification of the substance or mixture

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

Label elements

Signal Word

None

Hazard Statements

None

Physical and chemical hazards

Not applicable.

Health hazards

Immediate Health Effects: Not applicable.

Chronic effects: Not applicable.

Environmental hazards

Not applicable.

Other hazards which do not result in classification

No information available.

3. Composition/information on ingredients

Kit Component 75905: Myelin Basic Protein (D8X4Q) XP® Rabbit mAb (SignalStar® Conjugate 0121)

Chemical name	CAS No.	Weight-%	Other information
glycerol	56-81-5	50	-
polyethylene glycol	9002-93-1	<0.1	-
p-(1,1,3,3-tetramethylbutyl)phenylether			
sodium azide	26628-22-8	<0.1	-

Kit Component 67427: Complementary Oligo (CO-0121-750)

These products do not contain substances at concentrations requiring disclosure

4. First-aid measures

Description of necessary first aid measures

Inhalation

Move to fresh air.

Eye contact

Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing.

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Skin contact Wash skin with soap and water.

Ingestion Clean mouth with water and afterwards drink plenty of water.

Most important symptoms/effects, acute and delayed Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing.
For emergency responders No information available.

Note to physicians Treat symptomatically.

5. Fire-fighting measures

Extinguishing media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Unsuitable Extinguishing Media No information available

Specific hazards arising from the chemical No information available.

Special protective actions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes and clothing. Use personal protective equipment. For personal protection see section 8.

For emergency responders Use personal protection recommended in Section 8.

Environmental precautions Cover discharges with foam in order to reduce the risks of ignition. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up Prevent further leakage or spillage if safe to do so. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

Precautions to prevent secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

7. Handling and storage

Precautions for safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. See Section 8 for information on appropriate personal protective equipment.

Conditions for safe storage, including any incompatibilities Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible materials None known based on information supplied.

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8. Exposure controls/personal protection

Occupational exposure limits

Chemical name	China	ACGIH TLV
sodium azide - 26628-22-8	Ceiling: 0.3 mg/m ³ Ceiling	Ceiling: 0.29 mg/m ³ Ceiling: 0.11 ppm

Biological occupational exposure limits

No data available

Monitoring and observation processes

No applicable information was found.

Engineering controls

Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection Tightly fitting safety goggles.

Skin and body protection Wear protective gloves/clothing.

Hand protection Impervious gloves.

Respiratory protection When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Information on basic physical and chemical properties

Kit Component	75905: Myelin Basic Protein (D8X4Q) XP® Rabbit mAb (SignalStar® Conjugate 0121)
Physical state	Liquid
Appearance	Clear
Color	Colorless
Kit Component	67427: Complementary Oligo (CO-0121-750)
Physical state	Liquid
Appearance	Clear
Color	Colorless

10. Stability and reactivity

Stability Stable under normal conditions.

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Possibility of hazardous reactions None under normal processing.

Conditions to Avoid Extremes of temperature and direct sunlight
Over a period of time, sodium azide may react with copper, lead, brass, or solder in plumbing systems to form an accumulation of the HIGHLY EXPLOSIVE compounds of lead azide & copper azide

Incompatible products Strong oxidizing agents, Strong acids

Hazardous Decomposition Products Nitrogen oxides (NOx)

11. Toxicological information

Acute Toxicity

Numerical measures of toxicity

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
glycerol	= 27200 mg/kg (Rat)	> 10 g/kg (Rabbit)	> 5.85 mg/L (Rat) 4 h
polyethylene glycol	= 1700 mg/kg (Rat)	-	-
p-(1,1,3,3-tetramethylbutyl)phenylether	= 1800 mg/kg (Rat)	-	-
sodium azide	= 27 mg/kg (Rat)	= 20 mg/kg (Rabbit) = 50 mg/kg (Rat)	-

Symptoms Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing.

Skin and Eye Corrosion/Irritation No information available

Sensitization No information available.

Mutagenic effects No information available.

Carcinogenicity No information available.

Reproductive toxicity No information available.

Systemic Target Organ Toxicity (STOT) No information available.

Aspiration hazard No information available.

12. Ecological information

Ecotoxicity The environmental impact of this product has not been fully investigated.

Product Information No information available

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Component Information

Chemical name	Algae/aquatic plants	Fish	Crustacea
glycerol	-	LC50 51 - 57 mL/L (Oncorhynchus mykiss) 96 h	-
polyethylene glycol p-(1,1,3,3-tetramethylbutyl)phen- ylether	-	LC50 8.9 mg/l (Pimephales promelas) 96 h	EC50 26 mg/l (Daphnia) 48 h
sodium azide	EC50 0.35 mg/L (Pseudokirchneriella subcapitata) 96 h	LC50 0.8 mg/L (Oncorhynchus mykiss) 96 h LC50 0.7 mg/L (Lepomis macrochirus) 96 h LC50 5.46 mg/L (Pimephales promelas) 96 h	LC100 1 mg/L (Orconectes rusticus) 96 h

Persistence and degradability No information available

Bioaccumulative potential

Chemical name	Partition coefficient
glycerol	-1.75

Mobility in soil No information available

13. Disposal considerations

Waste chemicals Dispose of in accordance with local regulations. Do not empty into drains; dispose of this material and its container in a safe way.

Contaminated packaging Do not reuse empty containers.

14. Transport information

IMDG Not regulated

IATA Not regulated

JT/T 617 Not regulated

Special precautions for user

Please refer to the applicable dangerous goods regulations for additional information

15. Regulatory information

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

National regulations

Law of the People's Republic of China on Prevention and Control of Occupational Diseases

Catalog of occupational hazard factors:
Catalog of occupational diseases:

Not applicable
Not applicable

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Regulations on the Control over Safety of Hazardous Chemicals

Inventory of hazardous chemicals Not applicable

Chemical name	Inventory of hazardous chemicals
sodium azide	Listed, Highly toxic

GB 18218-2009 Identification of major hazard installations for dangerous chemicals Not applicable

List of hazardous chemicals under priority management Not applicable

Regulations on Labor Protection in Workplaces Where Toxic Substances Are Used

Inventory of highly toxic goods Not applicable

Regulations for Environmental Management on the First Import of Chemicals and the Import and Export of Toxic Chemicals

List of toxic chemicals severely restricted for import and export in China Not applicable

Measures for the Environmental Management of New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances Contact supplier for inventory compliance status.

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

16. Other information

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Revision Note The symbol (*) in the margin of this SDS indicates that this line has been revised.

Abbreviations and acronyms

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA:	Time weighted average	STEL:	Short term exposure limit
Ceiling:	Maximum limit value:	*	Skin designation
C	Carcinogen		

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
Environmental Protection Agency
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)

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National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
U.S. National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
RTECS (Registry of Toxic Effects of Chemical Substances)
World Health Organization

Disclaimer

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End of Safety Data Sheet