

Metallothionein Antibody, 2B5

Mouse Anti-Pseudomonas aeruginosa Metallothionein Monoclonal IgG1

Catalog No. SMC-552



Overview

Product Name	Anti-Metallothionein Antibody: Clone 2B5
Sizes Available	12 µg (Catalog No. SMC-552S) 200 µg (Catalog No. SMC-552D)
Species Reactivity	Bacteria (Pseudomonas aeruginosa)
Tested Applications	WB ELISA
Antibody Dilution	WB (1:1000); ELISA (1:800); optimal dilutions for assays should be determined by the user.
Immunogen	Full length Pseudomonas aeruginosa Metallothionein protein
Concentration	1 mg/ml

Properties

Storage Buffer	PBS pH 7.4, 50% glycerol, 0.09% Sodium Azide
Storage Conditions/ Shipping Temperature	-20°C; 1 year+ Avoid freeze/ thaw cycle. Blue Ice or 4°C.
Purification	Protein G Purified
Product Type	Monoclonal
Clone Number	2B5
Isotype	IgG1
Specificity	Detects 36 kDa band corresponding to Pseudomonas aeruginosa Metallothionein.
Certificate of Analysis	A 1:1000 dilution of SMC-552 was sufficient for detection of Metallothionein in 1 µg of purified Pseudomonas aeruginosa Metallothionein (PmtA)-GST tagged protein by ECL immunoblot analysis using goat anti-mouse IgG:HRP as the secondary antibody.

Biological Description

Alternative Name(s)	Metallothionein Antibody, CES 1 antibody, CES1 antibody, Metallothionein 1A antibody, Metallothionein 1S antibody, Metallothionein 2 antibody, Metallothionein 2A antibody, Metallothionein IA antibody, Metallothionein II antibody, Metallothionein-1A antibody, Metallothionein-IA antibody, Metallothionein2 antibody, MGC32848 antibody, MT 1A antibody, MT 2 antibody, MT 2A antibody, MT IA antibody, MT II antibody, MT-1A antibody, MT-IA antibody, MT1 antibody, MT1A antibody, MT1A_HUMAN antibody, MT1S antibody, MT2 antibody, MT2A antibody, MTC antibody, Probable Metallothionein Antibody, pmtA Antibody
Research Area(s)	Cell Signaling, Domain Families, Epigenetics and Nuclear Signaling, Transcription, Zinc finger
Sequence References	Gene ID: 880550; Accession Number: NP_250830.1; Swiss Prot: Q9I1X5

Please Note: All products are for in vitro research use only and are not intended for use in humans or animals.

Material Safety Data Sheet

Anti-Metallothionein Antibody (Monoclonal) SMC-552

This product is for *in vitro* research use only and is not intended for use in humans or animals

The below information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. StressMarq shall not be held liable for any damage resulting from handling or from contact with the above product. See the Technical Specification, Packing Slip, Invoice, and Product Catalogue for additional terms and conditions of sale.

Hazardous Ingredients

The physical, chemical and toxicological properties of these components have not been fully investigated. It is recommended that all laboratory personnel follow standard laboratory safety procedures when handling this product. Safety procedures should include wearing OSHA approved safety glasses, gloves and protective clothing. Direct physical contact with this product should be avoided.

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Percent</u>
Sodium Azide	26628-22-8	0.09-0.1%

Physical Data

This product consists of Mouse immunoglobulin in PBS pH7.4, 50% glycerol, 0.1% sodium azide, shipped on gel packs. The physical properties of this product have not been investigated thoroughly.

Fire and Explosion Hazard and Reactivity Data

NOT APPLICABLE

Toxicological Properties

May be harmful by inhalation, ingestion, or skin absorption. The toxicological properties of this product have not been investigated thoroughly. Exercise due caution.

Preventative Measures

Wear chemical safety goggles and compatible chemical-resistant gloves. Avoid inhalation, contact with eyes, skin or clothing.

Spill and Leak Procedures

Observe all federal, state and local environmental regulations.

- Wear protective equipment.
- Absorb on sand or vermiculite and place in closed containers for disposal.
- Dispose or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

First Aid Measures

- If swallowed, wash out mouth with water, provided person is conscious. Call a physician.
- In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. If a rash or other irritation develops, call a physician.
- If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.
- In case of eye contact, flush with copious amounts of water for at least 15 minutes while separating the eyelids with fingers. Call a physician.