EMD Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	EMD, Monoclonal Antibody
Full Product Name	Anti-EMD Mouse mAb
Product Gene Name	anti-EMD antibody
Product Synonym Names	LAL; CESD; LIPA
Clonality	Monoclonal
Isotype	IgG1
Clone Number	9G7F12; 7G6D7
Host	Mouse
Species Reactivity	Human
Form/Format	Purified antibody in PBS containing 0.03% sodium azide.
Molecular Weight	29
OMIM	X82434 mRNA
Immunogen	Purified recombinant fragment of LAL expressed in E Coli.
Applications Tested/Suitable for anti-EMD antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC), Flow Cytometry (FC/FACS)
Related Product Information for anti-EMD antibody	Entrez Summary: Emerin is a serine-rich nuclear membrane protein and a member of the nuclear lamina-associated protein family. It mediates membrane anchorage to the cytoskeleton. Dreifuss-Emery muscular dystrophy is an X-linked inherited degenerative myopathy resulting from mutation in the emerin gene.
Other Notes	Small volumes of anti-EMD antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for EMD purchase	MBS476909 is an antibody targeting EMD. Also known as Anti-EMD Mouse mAb. Reactive in Human. Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EMD. It may not necessarily be applicable to this product.

NCBI GI #	4557553
NCBI GeneID	2010
NCBI Accession #	NP_000108.1
UniProt Secondary Accession #	Q6FI02
UniProt Related Accession #	P50402
GenBank Nucleotide #	NM_000117.2
NCBI Official Full Name	emerin
NCBI Official Synonym Full Names	emerin
NCBI Official Symbol	EMD

NCBI Official Synonym Symbols	STA; EDMD; LEMD5
UniProt Protein Name	Emerin
Protein Family	Emerin
UniProt Gene Name	EMD
UniProt Synonym Gene Names	EDMD; STA
NCBI Protein Information	emerin
NCBI Summary for EMD	Emerin is a serine-rich nuclear membrane protein and a member of the nuclear lamina-associated protein family. It mediates membrane anchorage to the cytoskeleton. Dreifuss-Emery muscular dystrophy is an X-linked inherited degenerative myopathy resulting from mutation in the emerin gene. [provided by RefSeq, Jul 2008]
UniProt Comments for EMD	Stabilizes and promotes the formation of a nuclear actin cortical network. Stimulates actin polymerization in vitro by binding and stabilizing the pointed end of growing filaments. Inhibits beta-catenin activity by preventing its accumulation in the nucleus. Acts by influencing the nuclear accumulation of beta-catenin through a CRM1-dependent export pathway. Links centrosomes to the nuclear envelope via a microtubule association. EMD and BAF are cooperative cofactors of HIV-1 infection. Association of EMD with the viral DNA requires the presence of BAF and viral integrase. The association of viral DNA with chromatin requires the presence of BAF and EMD. Required for proper localization of non-farnesylated prelamin-A/C.
Research Articles on EMD	**1.** X-linked Emery-Dreifuss muscular dystrophy may occur along with dilative cardiomyopathy.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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