10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

EMD Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant EMD.
Catalog # AT1898a

Specification

EMD Antibody (monoclonal) (M01) - Product Information

Application	**WB, IHC, IF, E**
Primary Accession	P50402
Other Accession	BC000738
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**28994**

EMD Antibody (monoclonal) (M01) - Additional Information

Gene ID 2010

Other Names
Emerin, EMD, EDMD, STA

Target/Specificity
EMD (AAH00738, 1 a.a. ~ 110 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000
IHC~~1:100~500
IF~~1:50~200
E~~N/A

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
EMD Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

EMD Antibody (monoclonal) (M01) - Protocols

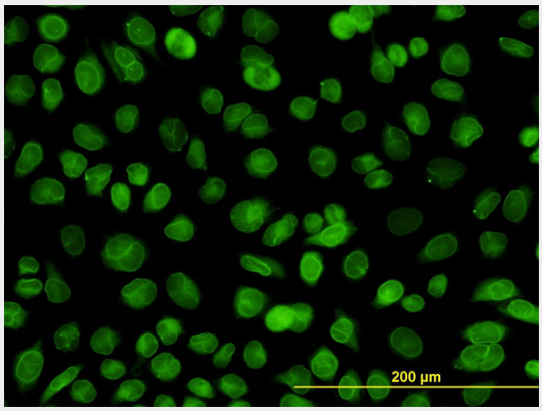
Provided below are standard protocols that you may find useful for product applications.

- Western Blot

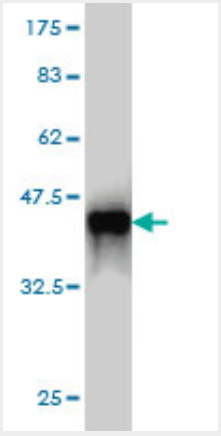
10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

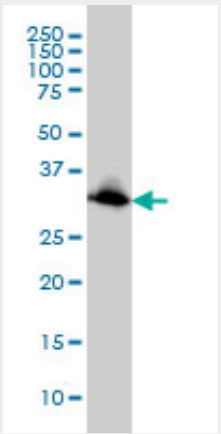
EMD Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to EMD on HeLa cell. [antibody concentration 10 ug/ml]

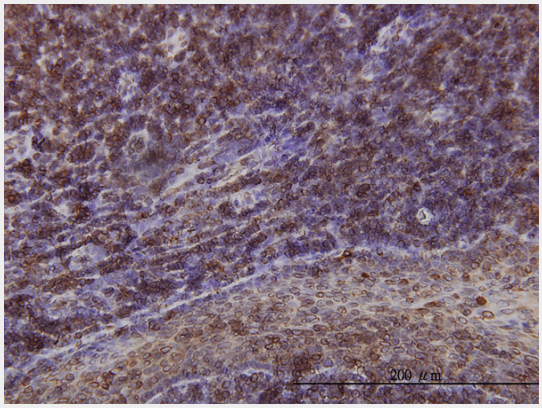


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.84 KDa) .

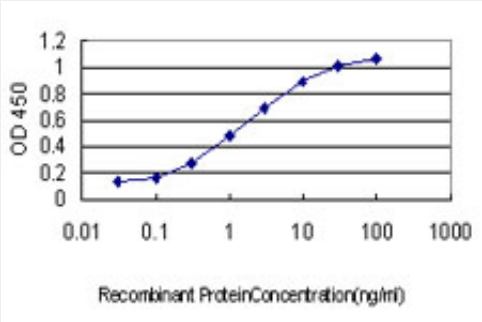


10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

EMD monoclonal antibody (M01), clone 3B9 Western Blot analysis of EMD expression in HeLa ((Cat # AT1898a)



Immunoperoxidase of monoclonal antibody to EMD on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 1 ug/ml]



Detection limit for recombinant GST tagged EMD is approximately 0.03ng/ml as a capture antibody.

EMD Antibody (monoclonal) (M01) - Background

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.

EMD Antibody (monoclonal) (M01) - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.A novel custom resequencing array for dilated cardiomyopathy. Zimmerman RS, et al. Genet Med, 2010 May. PMID 20474083.Emery-Dreifuss dystrophy: a 4-year follow-up on a laminopathy of special interest. Hausmanowa-Petrusewicz I, et al. Neurol Neurochir Pol, 2009 Sep-Oct. PMID 20054742.Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121.Tyrosine phosphorylation of nuclear-membrane protein emerin by Src, Abl and other kinases. Tifft KE, et al. J Cell Sci, 2009 Oct 15. PMID 19789182.