

Mouse Emerin Monoclonal Antibody | anti-EMD antibody

Emerin (Papillary Thyroid Carcinoma and EDMD Marker)

CATALOG # AAA23898	HOST Mouse	REACTIVITY Human. Others not known.	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

Emerin; Monoclonal Antibody; Emerin (Papillary Thyroid Carcinoma and EDMD Marker); EMD; Emery Dreifuss muscular dystrophy (EDMD); STA; anti-EMD antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG1
Clone Number	EMD/2167
Specificity	Emerin is a member of the nuclear lamina associated protein family. It is ubiquitously expressed and localized to the nuclear membrane in normal cells. Mutations of the gene that encodes emerin result in the X-linked recessive disease Emery-Dreifuss muscular dystrophy (EDMD), which is characterized by slowly progressing contractures, skeletal muscle wasting and cardiomyopathy. Reportedly, lack of Emerin expression is one cause of EDMD. Emerin is involved in the association of the nuclear membrane with the lamina, and is localized specifically to desmosomes and fasciae adherents in the heart. Identification of nuclear membrane irregularities with anti-emerin antibody has been reported useful in papillary thyroid carcinoma.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	254
Applicable Applications for anti-EMD antibody	IHC (Immunohistochemistry)
Application Notes	IHC-F: 1-2ug/ml for 30 min at RT; Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes
Immunogen	Recombinant human Emerin protein fragment (around aa 56-167)
Cellular Localization	Nuclear Membrane
Hu-chromosome Location	Xq28
Positive Control	K-562, HeLa or Jurkat cells. Kidney or Skin

IMAGES



Application Data

Analysis of Protein Array containing more than 19, 000 full-length human proteins using Mouse Emerin Monoclonal Antibody (EMD/2167) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



SDS-PAGE

SDS-PAGE Analysis Purified Emerin Mouse Monoclonal Antibody (EMD/2167).Confirmation of Integrity and Purity of Antibody.



WB (Western Blot)

Western Blot Analysis of human HeLa Cell lysate using Emerin Mouse Monoclonal Antibody (EMD/2167).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Renal Cell Carcinoma stained with Emerin Mouse Monoclonal Antibody (EMD/2167).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Basal Cell Carcinoma stained with Emerin Mouse Monoclonal Antibody (EMD/2167).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with Emerin Mouse Monoclonal Antibody (EMD/2167).

ADDITIONAL INFORMATION

References	Bione, S., Maestrini, E., Rivella, S., Mancini, M., Regis, S., Romeo, G. and Toniolo, D. 1994. Identification of a novel X-linked gene responsible for Emery-Dreifuss muscular dystrophy. Nat. Genet. 8: 323-327.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557553
NCBI GeneID	2010
NCBI Accession #	NP_000108.1
NCBI GenBank Nucleotide #	NM_000117.2
UniProt Accession #	P50402; Q6FI02
Molecular Weight	37kDa
NCBI Official Full Name	emerin
NCBI Official Synonym Full Names	emerin
NCBI Official Symbol	EMD
NCBI Official Synonym Symbols	STA; EDMD; LEMD5
NCBI Protein Information	emerin
UniProt Protein Name	Emerin

UniProt Gene Name	EMD
UniProt Synonym Gene Names	EDMD; STA

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/emerin-antibody-clone-emd-2167-immunohistochemistry-elisa/23898>