

Mouse anti-Human Mesothelin Monoclonal Antibody | anti-MSLN antibody

Mesothelin (Mesothelial Marker)

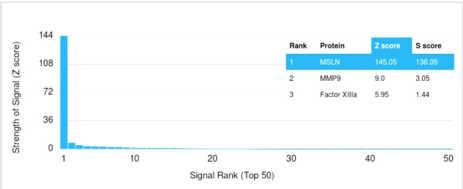
CATALOG # AAA215439	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

Mesothelin; Monoclonal Antibody; Mesothelin (Mesothelial Marker); CAK1; Megakaryocyte potentiating factor; MSLN; SMR; SMRP; anti-MSLN antibody

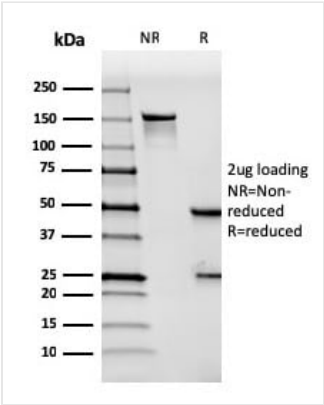
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	MSLN/3384
Specificity	Mesothelin is a 40kDa glycosyl-phosphatidylinositol-anchored glycoprotein cleaved from a 69kDa precursor protein. Mesothelin immunoreactivity is high in cancers of the ovary (serous papillary, endometrioid and undifferentiated) and pancreas, with less frequent staining seen in adenocarcinomas of the endometrium, lung and stomach/esophagus. Mesothelin is one of the most sensitive markers for mesothelioma.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml or Purified Ab with BSA and Azide at 200ug/ml or Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
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	622
Applicable Applications for anti-MSLN antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant fragment (around aa 273-407) of Human Mesothelin (MSLN) protein (exact sequence is proprietary)
Cellular Localization	Cell Surfaceand Secreted
Hu-chromosome Location	16p13.3
Positive Control	CAPAN-2 or HeLa cells. Lung Mesothelioma.
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



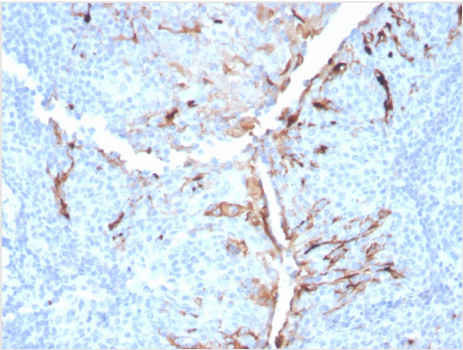
Application Data

Analysis of Protein Array containing more than 19,000 full-length human proteins using Mesothelin Mouse Monoclonal Antibody (MSLN/3384). 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 HuProtTM 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 HuProtTM 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 be 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.



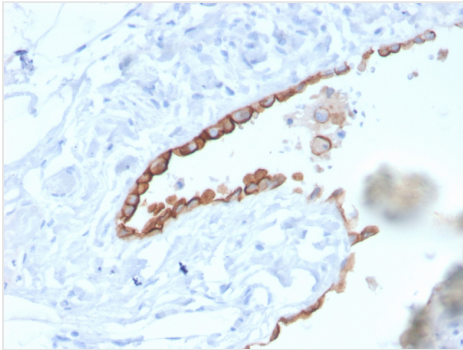
SDS_PAGE

SDS-PAGE Analysis Purified Mesothelin Mouse Monoclonal Antibody (MSLN/3384). Confirmation of Purity and Integrity of Antibody.



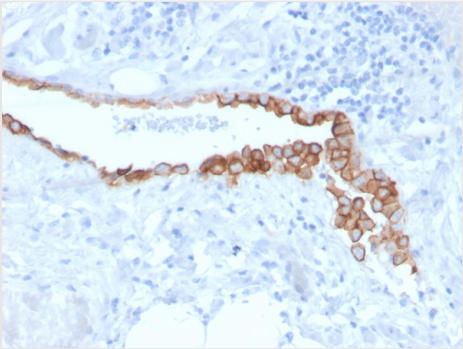
IHC (Immunohistochemisry)

Formalin-fixed, paraffin-embedded human tonsil stained with Mesothelin Mouse Monoclonal Antibody (MSLN/3384).



IHC (Immunohiostchemistry)

Formalin-fixed, paraffin-embedded human Lung Mesothelioma stained with Mesothelin Mouse Monoclonal Antibody (MSLN/3384).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Lung Mesothelioma stained with Mesothelin Mouse Monoclonal Antibody (MSLN/3384).

ADDITIONAL INFORMATION

References	Chang, K. and Pastan, I. 1996. Molecular cloning of Mesothelin, a differentiation antigen present on mesothelium, mesotheliomas, and ovarian cancers. Proc. Natl. Acad. Sci. USA 93: 136-140.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	53988378
NCBI GeneID	10232

NCBI Accession #	NP_005814.2
NCBI GenBank Nucleotide #	NP_005814.2
UniProt Accession #	Q13421
Molecular Weight	40kDa (Mature form); 69kDa (Precursor)
NCBI Official Full Name	mesothelin isoform 1 preproprotein
NCBI Official Synonym Full Names	mesothelin
NCBI Official Symbol	MSLN
NCBI Official Synonym Symbols	MPF; SMRP
NCBI Protein Information	mesothelin
UniProt Protein Name	Mesothelin
UniProt Gene Name	MSLN
UniProt Synonym Gene Names	MPF; MPF
UniProt Entry Name	MSLN_HUMAN

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/mesothelin-antibody-clone-msln-3384-immunohistochemistry-elisa/215439>