MSLN Antibody – Monoclonal

PRODUCT OVERVIEW

Product Name	MSLN, Monoclonal Antibody
Full Product Name	Anti-Human MSLN Antibody (SAA0145)
Product Gene Name	anti-MSLN antibody
Product Synonym Names	CAK1 antigen; Mesothelin; MSLN; Pre-pro-megakaryocyte-potentiating factor; MPF
Clonality	Monoclonal
Isotype	IgG1-lambda
Clone Number	SAA0145
Species Reactivity	Human
Form/Format	Liquid. PBS buffer, pH7.4
Purity/Purification	>95%; Protein A or G purified.
Concentration	1mg/ml (lot specific)
Preparation and Storage	Store at +4 degree C short term (1-2 weeks). Store at -20 degree C 12 months. Store at -80 degree C long term. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Molecular Weight	68,986 Da
OMIM	601051
3D Structure	ModBase 3D Structure for Q13421
Host Species	Human
Conjugation	Unconjugated
Product Categories/Family for anti-MSLN antibody	Super-Affinity Antibodies
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MSLN antibody	Flow Cytometry (FC/FACS/FCM)
Related Product Information for anti-MSLN antibody	MBS1564453 is an antibody targeting MSLN. Also known as Anti-Human MSLN Antibody (SAA0145). Reactive in Human.
Other Notes	Small volumes of anti-MSLN 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.

ADDITIONAL DETAILS

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

NCBI GI #	53988378
NCBI GeneID	10232
NCBI Accession #	NP_005814.2

UniProt Primary Accession #	Q13421
UniProt Secondary Accession #	Q14859; Q4VQD5; Q96GR6; Q96KJ5; Q9BR17; Q9BTR2; Q9UCB2; Q9UK57; D3DU65
UniProt Related Accession #	Q13421
GenBank Nucleotide #	NM_005823.5
NCBI Official Full Name	mesothelin isoform 1 preproprotein
NCBI Official Synonym Full Names	mesothelin
NCBI Official Symbol	MSLN
NCBI Official Synonym Symbols	MPF; SMRP
UniProt Protein Name	Mesothelin
UniProt Synonym Protein Names	CAK1 antigen; Pre-pro-megakaryocyte-potentiating factor
Protein Family	Mesothelin
UniProt Gene Name	MSLN
UniProt Synonym Gene Names	MPF; MPF
UniProt Entry Name	MSLN_HUMAN
NCBI Protein Information	mesothelin; CAK1 antigen; megakaryocyte potentiating factor; soluble MPF mesothelin related protein; pre-pro-megakaryocyte-potentiating factor
NCBI Summary for MSLN	This gene encodes a precursor protein that is cleaved into two products, megakaryocyte potentiating factor and mesothelin. Megakaryocyte potentiation factor functions as a cytokine that can stimulate colony formation in bone marrow megakaryocytes. Mesothelian is a glycosylphosphatidylinositol-anchored cell-surface protein that may function as a cell adhesion protein. This protein is overexpressed in epithelial mesotheliomas, ovarian cancers and in specific squamous cell carcinomas. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Apr 2010]
UniProt Comments for MSLN	MSLN: Membrane-anchored forms may play a role in cellular adhesion. Antibodies against MSLN are detected in patients with mesothelioma and ovarian cancer. Belongs to the mesothelin family. 4 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, GPI anchor; Cell adhesion Chromosomal Location of Human Ortholog: 16p13.3 Cellular Component: Golgi apparatus; extracellular space; cell surface; membrane; plasma membrane Molecular Function: protein binding Biological Process: pancreas development; cell adhesion
Research Articles on MSLN	**1.** Use of S100P and mesothelin in cytologically borderline cases can increase the diagnostic accuracy for pancreatic adenocarcinoma.
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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