Mesothelin Recombinant Antibody | MSLN recombinant antibody

Anti-Mesothelin [MN-1], Mouse IgG2a, kappa

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72549	**Mouse**	**Human**	**Immunoprecipitation, Immunohistochemistry, Western Blot, Flow Cytometry, Functional Assay, ELISA**

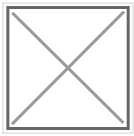
PRODUCT SYNONYMS

Mesothelin; Monoclonal Recombinant Antibody; Anti-Mesothelin [MN-1]; Mouse IgG2a; kappa; MSLN; CAK1 antigen; Pre-pro-megakaryocyte-potentiating factor; MN; MSLN recombinant antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG2a kappa
Clone Number	MN-1
Specificity	This antibody can recognize and bind human mesothelin. This antibody binds a different antibody on the human mesothelin than another antibody called MB. Mesothelin (MSLN) is a glycophosphatidylinositol (GPI)-linked cell surface protein highly expressed in several types of malignant tumors sometimes in association with increased tumor aggressiveness and poor clinical outcome. The membrane-anchored forms of this molecule may play a role in cellular adhesion.
Purity/Purification	Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for MSLN recombinant antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot), FCM/FACS (Flow Cytometry), SPR (Surface Plasmon Resonance), ELISA
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



IF (Immunofluorescence)
ImmunofluorescencestainingofHeLacellswithanti-MesothelinantibodyMN-1(AAA72549). ImmunofluorescenceanalysisofparaformaldehydefixedHeLacellsonShi-fixcoverslipsstainedwiththechimericrabbitIgGversionofMN-1(AAA72549)(1:100dilution)for1hfollowedbyAlexaFluor488secondaryantibody(1:1000dilution),showingmembranestaining.ThenuclearstainisDAPI(blue).Panelsshow,fromleft-right,top-bottom,AAA72549,DAPI,mergedchannels,andanisotypecontrol.TheisotypecontrolwasanunknownspecificityantibodyfollowedbystainingwithalexaFluor488secondaryantibody.

WB (Western Blot)
Western Blotusinganti-Mesoth
1(AAA72549). HeLacellslysate
PAGEgel,andblotswereprobed
1(AAA72549)at0.3ug/mlbefore
rabbitsecondaryantibody.Aprin



FCM/FACS (Flow Cytometry)
Flowcytometryusinganti-MesothelinantibodyMN-1(AAA72549). HeLacellswerestainedwiththeanti-unknownspecificityantibodyortherabbitIgGversionofMN-1(AAA72549,blueline)atadilutionof1:100for1hatRT.Afterwashing,theboundantibodywasdetectedusingagoatanti-rabbitIgGAlexaFluor488antibodyatadilutionof1:1000,andthecellswereanalyzedusingaFACSCantoflow-cytometer.

ADDITIONAL INFORMATION

Related Product Information for MSLN recombinant antibody	The original antibody was generated in mesothelin-deficient mice by immunization with plasmid cDNA corresponding to the mesothelin extracellular domain followed by a single boost with a recombinant human mesothelin-rabbit IgG Fc fusion protein.
References	Onda et al. New monoclonal antibodies to mesothelin useful for immunohistochemistry, fluorescence-activated cell sorting, Western blotting, and ELISA. Clin Cancer Res. 2005 Aug 15;11(16):5840-6. N/A16115924 Note on publication: Describes the generation of two antibodies against different epitopes of human mesothelin.

NCBI AND UNIPROT INFORMATION

NCBI GI #	53988378
NCBI GeneID	10232
NCBI Accession #	NP_005814.2
NCBI GenBank Nucleotide #	NM_005823.5
UniProt Accession #	Q13421; Q14859; Q4VQD5; Q96GR6; Q96KJ5; Q9BR17; Q9BTR2; Q9UCB2; Q9UK57; D3DU65
Molecular Weight	68,986 Da
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; CAK1 antigen; megakaryocyte potentiating factor; soluble MPF mesothelin related protein; pre-pro-megakaryocyte-potentiating factor
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-recombinant-antibody-clone-mn-1-immunoprecipitation-immunohistochemistry-western-blot-flow-cytometry-surface-plasmon-resonance-elisa/72549