Active Recombinant Human MSLN Protein, Fc-tagged, Alexa Fluor 488 conjugated

Cat. No. MSLN-10625HAF488 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Alexa Fluor 488 conjugated recombinant human MSLN-Fc fusion protein is expressed as a 534-amino acid protein consisting of Glu296 - Ser592 region of MSLN (UniProt accession #Q13421, isoform 2) and a C-terminal Fc from human IgG1, which exists as a dimer under non-reducing conditions.
Species	Human
Source	HEK293
ProteinLength	296-592 a.a.
Bio-activity	Binds to CA125/MUC16 and anti-MSLN monoclonal antibody, human IgG1 with high affinity. Blocks MSLN's binding to CA125/MUC16.
Molecular Mass	Calculated molecular mass (kDa): 60.1; Estimated by SDS-PAGE under reducing condition (kDa): 65-70
AA Sequence	EVEKTACPSGKKAREIDESLIFYKKWELEACVDAALLATQMDRVNAIPFTYEQLDVLK HKLDELYPQGYPESVIQHLGYLFLKMSPEDIRKWNVTSLETLKALLEVNKGHEMSPQ VATLIDRFVKGRGQLDKDTLDTLTAFYPGYLCSLSPEELSSVPPSSIWAVRPQDLDT CDPRQLDVLYPKARLAFQNMNGSEYFVKIQSFLGGAPTEDLKALSQQNVSMDLATF MKLRTDAVLPLTVAEVQKLLGPHVEGLKAEERHRPVRDWILRQRQDDLDTLGLGLQ GGIPNGYLVLDLSTTENLYFQGSTGTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISR TPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLH

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	QDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLT CLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGN VFSCSVMHEALHNHYTQKSLSLSPGK
Endotoxin	< 0.1 EU/ μg of purified recombinant protein determined by the LAL method
Purity	> 95 % by SDS-PAGE under reducing condition
Characteristic	Disulfide-linked homodimer Labeled with Alexa Fluor 488 via amines Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Storage	The product is shipped at 4 centigrade. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below –20 centigrade for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4 centigrade for no more than 2 weeks. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied at 0.5 mg/ml in sterile PBS pH 7.4 (carrier & preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule) using the standard procedure.
Conjugation	Alexa Fluor 488

GENE INFORMATION

Gene Name	MSLN
Official Symbol	MSLN

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Synonyms	Mesothelin; MPF; SMRP; MSLN; mesothelin; CAK1 antigen; megakaryocyte potentiating factor; pre-pro-megakaryocyte-potentiating factor; soluble MPF mesothelin related protein
Gene ID	10232
mRNA Refseq	NM_005823
Protein Refseq	NP_005814
MIM	601051
UniProt ID	Q13421

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