

Human MSLN/Mesothelin Protein



Cat. No. MSL-HM28D

Description	
Source	Recombinant Human MSLN/Mesothelin Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Glu296-Arg606.
Accession	Q13421-2
Molecular Weight	The protein has a predicted MW of 61.54 kDa. Due to glycosylation, the protein migrates to 68-78 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage	
Formulation	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background	
Mesothelin, also known as MSLN, is a protein that in humans is encoded by the MSLN gene.Cloning studies showed that the mesothelin gene encodes a precursor protein that is processed to yield mesothelin which is attached to the cell membrane by a glycoposphatidylinositol linkage and a 31-kDa shed fragment named megakaryocyte-potentiating factor (MPF). Although it has been proposed that mesothelin may be involved in cell adhesion, its biological function is not known.A knockout mouse line that lacks mesothelin reproduces and develops normally.	

Assay Data

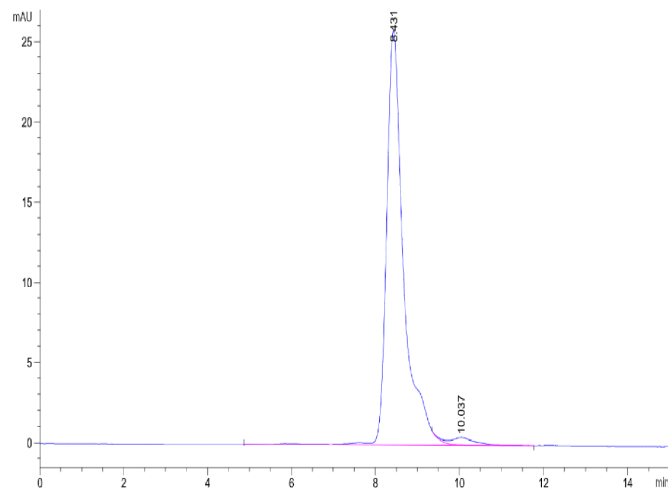
Bis-Tris PAGE



Human MSLN on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

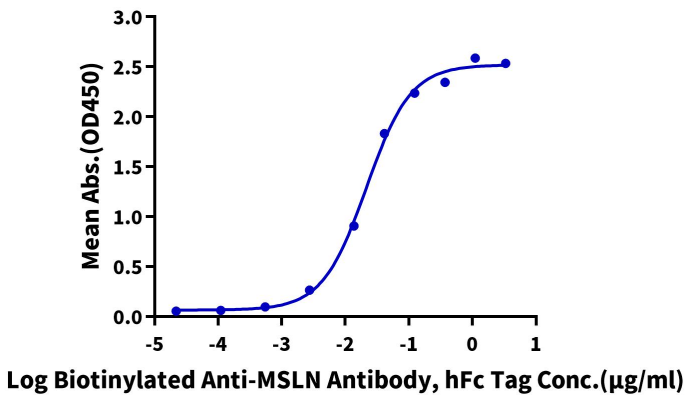
Assay Data



The purity of Human MSLN is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human MSLN, hFc Tag ELISA
0.05µg Human MSLN, hFc Tag Per Well



Immobilized Human MSLN, hFc Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Anti-MSLN Antibody, hFc Tag with the EC50 of 21.5ng/ml determined by ELISA.