Human MSLN/Mesothelin Protein

Cat. No. MSL-HM20D

Description

Source	Recombinant Human MSLN/Mesothelin Protein is expressed from HEK293 with hFc tag at the C-terminus.
	It contains Ala488-Ser600.
Accession	Q13421-1
Molecular Weight	The protein has a predicted MW of 39.30 kDa. Due to glycosylation, the protein migrates to 50-65 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

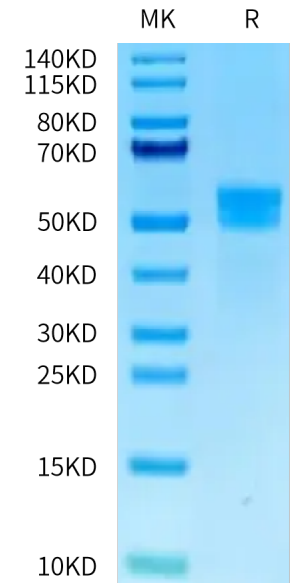
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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 glycophosphatidylinositol 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



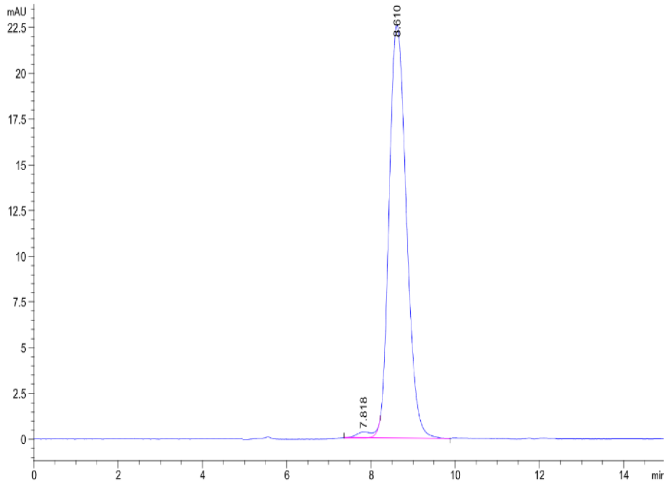
Human MSLN on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Human MSLN/Mesothelin Protein

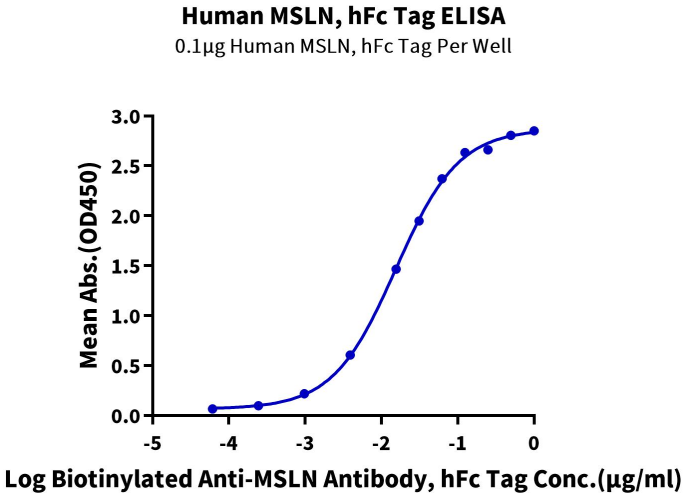
Cat. No. MSL-HM20D

Assay Data



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

ELISA Data



Immobilized Human MSLN, hFc Tag at 1μg/ml (100μl/well) on the plate. Dose response curve for Biotinylated Anti-MSLN Antibody, hFc Tag with the EC50 of 15.5ng/ml determined by ELISA.