

Human MSLN/Mesothelin Protein

Cat. No. MSL-HM1D2



Description

Source	Recombinant Human MSLN/Mesothelin Protein is expressed from HEK293 with His tag at the C-terminus.
	It contains Met487-Gly580.
Accession	Q13421-3
Molecular Weight	The protein has a predicted MW of 12.11 kDa. Due to glycosylation, the protein migrates to 15-25 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1 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 0.22 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 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.

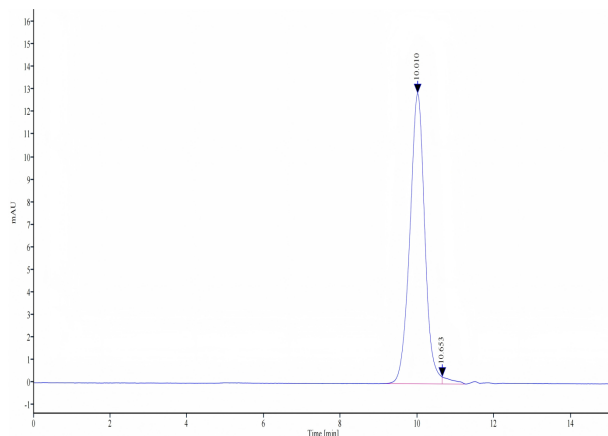
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



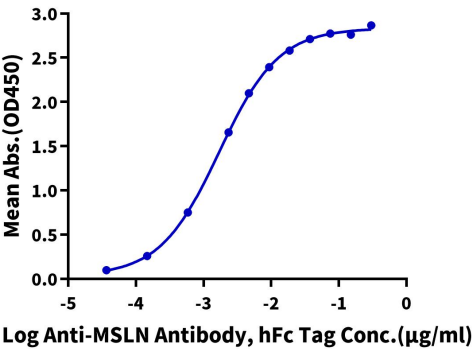
The purity of Human MSLN is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Human MSLN, His Tag ELISA

0.1µg Human MSLN, His Tag Per Well



Immobilized Human MSLN, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-MSLN Antibody, hFc Tag with the EC50 of 1.7ng/ml determined by ELISA.