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Mesothelin Protein (MSLN) (AA 296-580) (His-Avi Tag)





Overview

Quantity:	100 μg
Target:	Mesothelin (MSLN)
Protein Characteristics:	AA 296-580
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Mesothelin protein is labelled with His-Avi Tag.

Product Details

Purpose:	Human MSLN/Mesothelin Protein
Sequence:	Glu296-Gly580
Characteristics:	Recombinant Human MSLN/Mesothelin Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Glu296-Gly580.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 μm filtered
Endotoxin Level:	Less than 1EU per μg by the LAL method.
Biological Activity Comment:	Immobilized Human MSLN, His Tag at 0.5μg/ml (100μl/Well). Dose response curve for Anti-
	MSLN Ab., hFc Tag with the EC50 of 15.84ng/ml determined by ELISA. See testing image for
	detail.

Target Details

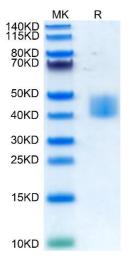
Target:	Mesothelin (MSLN)
Alternative Name:	MSLN (MSLN Products)
Background:	Mesothelin, also known as MSLN, is a protein that in humans is encoded by the MSLN gene. Cloning studies showed that the mesothelin gene encodes a precursor protein that is processed to yield mesothelin which is attached to 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.
Molecular Weight:	35.2 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Tris-Bis PAGE result.
Pathways:	

Application Details

Restrictions:

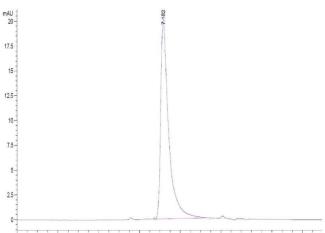
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

For Research Use only



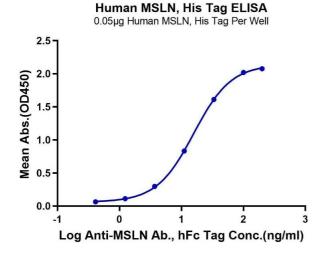
SDS-PAGE

Image 1. Human MSLN/Mesothelin on Tris-Bis PAGE under reduced condition. The purity is greater than 95 %.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human MSLN/Mesothelin was greater than 95 % as determined by SEC-HPLC.



ELISA

Image 3. Immobilized Human MSLN, His Tag at $0.5 \, \mu g/mL$ (100 $\mu L/Well$). Dose response curve for Anti-MSLN Ab., hFc Tag with the EC50 of 15.84 ng/mL determined by ELISA.