Datasheet for ABIN7275283

Mesothelin Protein (MSLN) (AA 296-580) (Fc Tag)

4 Images

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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 Fc Tag.

Product Details

Purpose:	Human MSLN/Mesothelin Protein
Sequence:	Glu296-Gly580
Characteristics:	Recombinant Human MSLN/Mesothelin Protein is expressed from HEK293 with hFc tag at the C-Terminus.It contains Glu296-Gly580.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human MSLN at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-MSLN Antibody, hFc Tag with the EC50 of 29.2ng/ml determined by ELISA. See testing image for detail.

Target Details

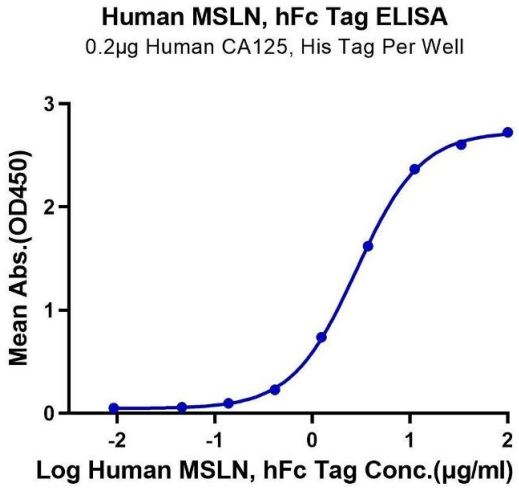
Target:	Mesothelin (MSLN)
Alternative Name:	MSLN (MSLN Products)
Background:	Mesothelin, also known as MSLN, is a protein that in humans is encoded by the MSLN gene.Cloning studies showed that the mesothelin gene encodes a precursor protein that is processed to yield mesothelin which is attached to the 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:	59 kDa. Due to glycosylation, the protein migrates to 68-78 kDa based on Tris-Bis PAGE result.
Pathways:	EGFR Signaling Pathway, Positive Regulation of Peptide Hormone Secretion, Intracellular Steroid Hormone Receptor Signaling Pathway, Steroid Hormone Mediated Signaling Pathway, Carbohydrate Homeostasis, cAMP Metabolic Process, Regulation of G-Protein Coupled Receptor Protein Signaling, Positive Regulation of Endopeptidase Activity, Regulation of Carbohydrate Metabolic Process

Application Details

Restrictions:	For Research Use only

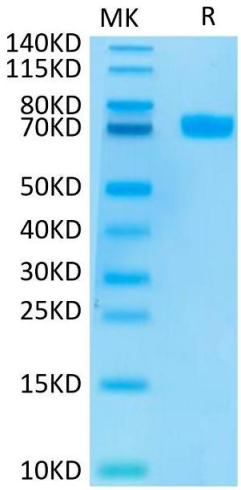
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/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



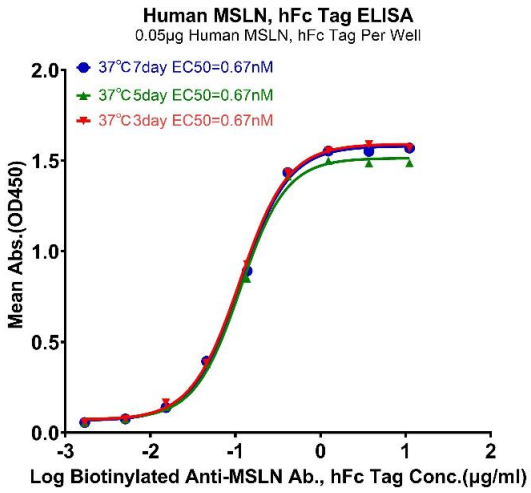
ELISA

Image 1. Immobilized Human CA125, His Tag at 2 μg/mL (100 μL/Well) on the plate. Dose response curve for Human MSLN, hFc Tag with the EC50 of 2.8 μg/mL determined by ELISA.



SDS-PAGE

Image 2. Human MSLN on Tris-Bis PAGE under reduced conditions. The purity is greater than 95 % .



ELISA

Image 3. Immobilized Human MSLN Tag at 0.5 μg/mL (100 μL/Well). Dose response curve for Biotinylated Anti-Human MSLN Antibody, hFc Tag with the EC50 of 0.1/ 0.1/ 0.1 μ g/mL determined by ELISA.

Please check the product details page for more images. Overall 4 images are available for ABIN7275283.