Datasheet for ABIN7275282

Mesothelin Protein (MSLN) (Fc Tag)

5 Images

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Overview

Quantity:	100 µg
Target:	Mesothelin (MSLN)
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Mesothelin protein is labelled with Fc Tag.

Product Details

Sequence:	Asp296-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 Cynomolgus 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 47.1ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	Mesothelin (MSLN)
Alternative Name:	MSLN (MSLN Products)
Background:	MSLN, CAK1 antigen, CAK1, megakaryocyte potentiating factor, Mesothelin, MPF, MPFSMRP,Pre-pro-megakaryocyte-potentiating factor, SMR, soluble MPF mesothelin related

Target Details

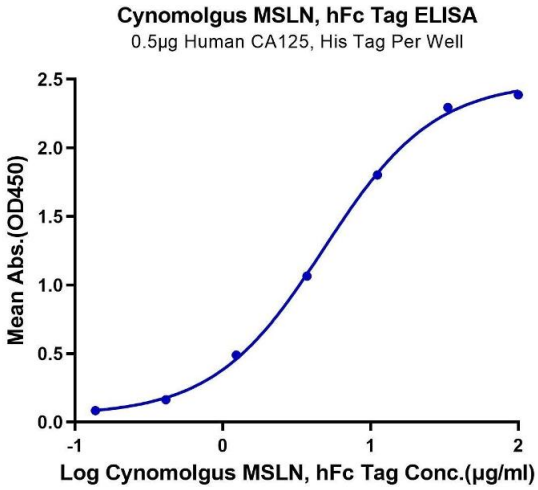
	protein,Mesothelin, also known as MSLN, is a protein that in humans is encoded by the MSLN gene.Cloning studies showed that the mesothelin gene encodes a precursor protein that is processed to yield mesothelin which is attached to the cell membrane by a glycophosphatidylinositol linkage and a 31- kDa 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:	58.6 kDa. Due to glycosylation, the protein migrates to 70-80 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

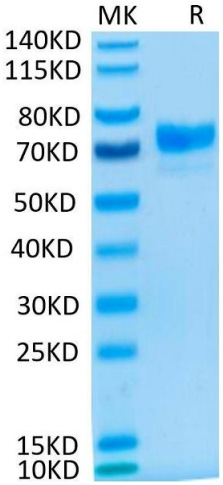
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.
Storage:	4 °C,-80 °C
Storage Comment:	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Expiry Date:	12 months



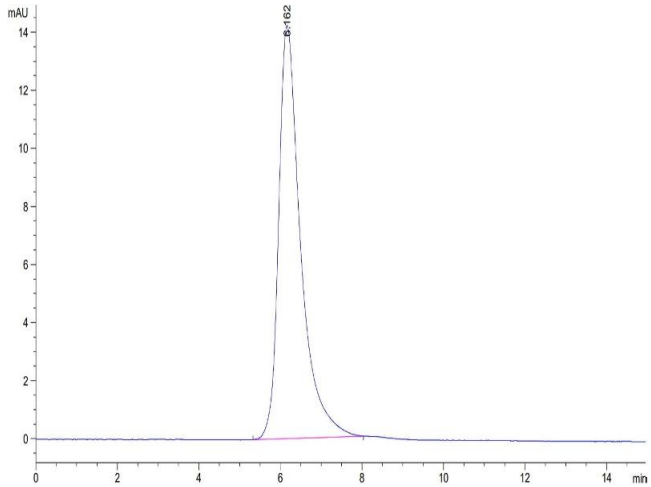
ELISA

Image 1. Immobilized Human CA125, His Tag at 5 µg/mL (100 µL/Well). Dose response curve for Cynomolgus MSLN, hFc Tag with the EC50 of 4.8 µg/mL determined by ELISA.



SDS-PAGE

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



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Cynomolgus MSLN is greater than 95 % as determined by SEC-HPLC.

Please check the product details page for more images. Overall 5 images are available for ABIN7275282.