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

Product Details

Purpose:	FITC-Labeled Human MSLN/Mesothelin Protein
Sequence:	Glu296-Gly580
Characteristics:	Recombinant FITC-Labeled 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
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per μg by the LAL method.

Target Details

Target:	Mesothelin (MSLN)
Alternative Name:	MSLN (MSLN Products)

Target Details

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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:

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

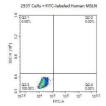
Application Details

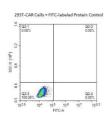
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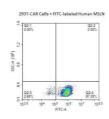
For Research Use only

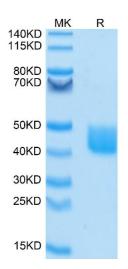
Handling

Handling	
Format:	Liquid
Buffer:	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
Storage:	-80 °C
Storage Comment:	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.
Expiry Date:	12 months









Flow Cytometry

Image 1. FACS Analysis of Anti-MSLN CAR Expression. 293T cells were transfected with anti-MSLN-scFv and His tag. Cells were stained with FITC-Labeled Human MSLN (296-580), His Tag and FITC-labeled protein control. Non-transfected 293T cells and FITC-labeled protein control were used as negative control.

SDS-PAGE

Image 2. FITC-Labeled Human MSLN/Mesothelin on Tris-Bis PAGE under reduced condition. The purity is greater than $95\,\%$.