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# Mesothelin Protein (MSLN) (AA 296-580) (mFc-His 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 mFc-His Tag.
Application:	Western Blotting (WB)

# **Product Details**

Purpose:	Recombinant human Mesothelin(296-580) protein with C-terminal mouse Fc and 6xHis tag
Specificity:	Mesothelin (Glu296-Gly580) mFc (Pro99-Lys330) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

# **Target Details**

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

# **Target Details**

Background:	This gene encodes a preproprotein that is proteolytically processed to generate two protein
	products, megakaryocyte potentiating factor and mesothelin. Megakaryocyte potentiating
	factor functions as a cytokine that can stimulate colony formation of bone marrow
	megakaryocytes. Mesothelin is a glycosylphosphatidylinositol-anchored cell-surface protein
	that may function as a cell adhesion protein. This protein is overexpressed in epithelial
	mesotheliomas, ovarian cancers and in specific squamous cell carcinomas. Alternative splicing
	results in multiple transcript variants, at least one of which encodes an isoform that is
	proteolytically processed.
Molecular Weight:	predicted molecular mass of 59.3 kDa after removal of the signal peptide.
Gene ID:	10232

Pathways:

UniProt:

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:

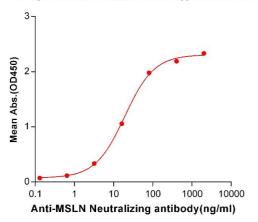
Q13421

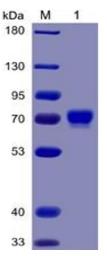
For Research Use only

Llonding		
Handling		
Format:	Lyophilized	
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.	
Storage:	-20 °C,-80 °C	
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).  Lyophilized proteins are shipped at ambient temperature.	
Expiry Date:	12 months	

### Human MSLN(296-580), mFc-His Tagged protein ELISA

0.2 µg of MSLN(296-580), mFc-His Tagged protein per well





### **ELISA**

**Image 1.** ELISA plate pre-coated by  $2 \mu g/mL$  (100  $\mu L/well$ ) Human Mesothelin, mFc-His tagged protein (ABIN6961104) can bind Anti-Mesothelin Neutralizing antibody in a linear range of 3.2-80.0 ng/mL.

### **SDS-PAGE**

**Image 2.** Human Mesothelin(296-580) Protein, mFc-His Tag on SDS-PAGE under reducing condition.