

Datasheet for ABIN7275280

**Mesothelin Protein (MSLN) (His tag)****3** Images[Go to Product page](#)

## 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 His 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 at 0.2µg/ml (100µl/Well) on the plate. Dose response curve for Anti-MSLN Ab., hFc Tag with the EC50 of 14.6ng/ml determined by ELISA. See testing image for detail.

## Target Details

Target:	Mesothelin (MSLN)
Alternative Name:	MSLN ( <a href="#">MSLN Products</a> )
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 glycosphosphatidylinositol 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:** 33 kDa. Due to glycosylation, the protein migrates to 35-50 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

**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.

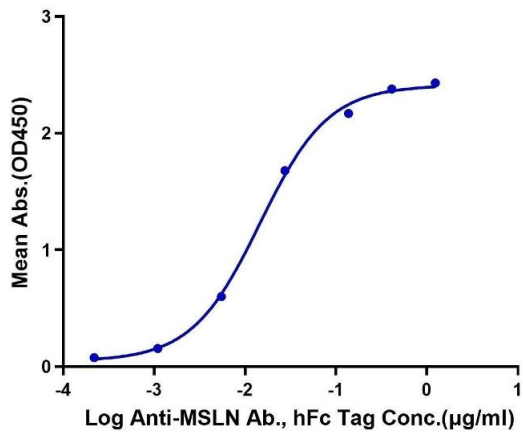
**Buffer:** Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.

**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.

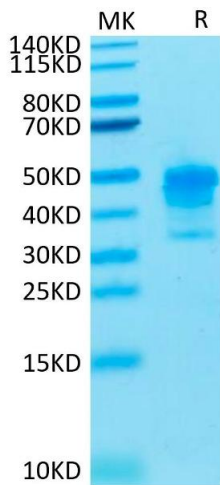
**Expiry Date:** 12 months

**Cynomolgus MSLN, His Tag ELISA**  
0.02µg Cynomolgus MSLN, His Tag Per Well



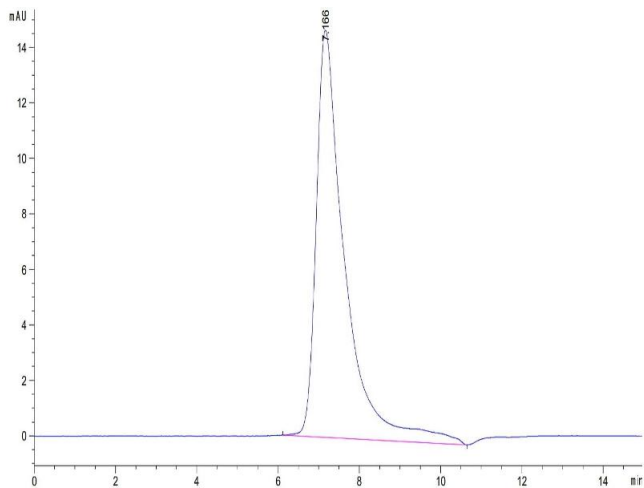
### ELISA

**Image 1.** Immobilized Cynomolgus MSLN at 0.2 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-MSLN Ab., hFc Tag with the EC50 of 14.6 ng/mL determined by ELISA.



### SDS-PAGE

**Image 2.** Cynomolgus Mesothelin/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 Mesothelin/MSLN is greater than 95 % as determined by SEC-HPLC.