

# PE-Labeled Human MSLN/Mesothelin Protein

Cat. No. MSL-HM480P

## Description

Source	Recombinant PE-Labeled Human MSLN/Mesothelin Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Glu296-Gly580.
Accession	Q13421-2
Molecular Weight	The protein has a predicted MW of 35.2 kDa.
Wavelength	Excitation Wavelength: 488 nm / 561 nm Emission Wavelength: 575 nm
Endotoxin	Less than 1 EU per $\mu\text{g}$ by the LAL method.

## Formulation and Storage

Formulation	Supplied as 0.22 $\mu\text{m}$ filtered solution in PBS, 0.2% BSA (pH 7.4).
Storage	Valid for 6 months from date of receipt when stored at $-80^{\circ}\text{C}$ . Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

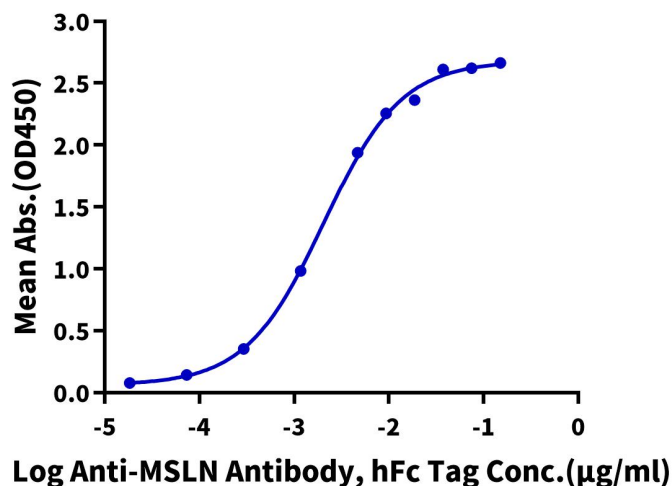
Mesothelin, also known as MSLN, is a protein that in humans is encoded by the MSLN gene. Cloning studies showed that the mesothelin gene encodes a precursor protein that is processed to yield mesothelin which is attached to the cell membrane by a glycoposphatidylinositol linkage and a 31-kDa shed fragment 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.

## Assay Data

### ELISA Data

#### PE-Labeled Human MSLN, His Tag ELISA

0.1 $\mu\text{g}$  PE-Labeled Human MSLN, His Tag Per Well



Immobilized PE-Labeled Human MSLN, His Tag at 1 $\mu\text{g}/\text{ml}$  (100 $\mu\text{l}$ /well) on the plate. Dose response curve for Anti-MSLN Antibody, hFc Tag with the EC50 of 2.1ng/ml determined by ELISA (QC Test).