

# Product Information

## **MemDX™ Antibody Discovery - Human Mesothelin / MSLN (296-580) Membrane Protein, Partial, -His -Avi tag, [Biotin]**

Cat. No.: **MP0657F**

This product is for research use only and is not intended for diagnostic use.

This membrane protein is Human Mesothelin / MSLN (296-580). It has been tested in SDS-PAGE, ELISA, FACS. We provide this protein to facilitate your membrane protein antibody discovery and development.

### Product Specifications

#### **Host Species**

Human

#### **Target Protein**

Mesothelin / MSLN

#### **Protein Length**

ECD

#### **Molecular Weight**

The protein has a calculated MW of 35.9 kDa. The protein migrates as 45-60 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

#### **Sequence**

AA Glu 296 - Gly 580 (Accession # AAH09272.1).

### Product Description

#### **Activity**

Yes

#### **Application**

SDS-PAGE, ELISA, FACS

#### **Expression Systems**

HEK293

#### **Tag**

His tag at the C-terminus, followed by an Avi tag.

#### **Protein Format**

Soluble

#### **Form**

LYOPH

### Reconstitution

Please see Certificate of Analysis for specific instructions.

### Endotoxin

<1.0 EU/μg by the LAL method

### Conjugation

Biotin

### Purity

>95% as determined by SDS-PAGE.

### Buffer

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

### Storage

Upon receipt store plates at 4°C in unopened pouches. Once opened, place unused plates in a resealable bag with desiccant and store at 4°C. Plates are shipped at 4°C.

## Target

### Target Protein

Mesothelin / MSLN

### Full Name

mesothelin

### Introduction

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.

### Alternative Names

MPF; SMRP; mesothelin; CAK1 antigen; megakaryocyte potentiating factor; pre-pro-megakaryocyte-potentiating factor; soluble MPF mesothelin related protein

### Gene ID

[10232](#)

### UniProt ID

[Q13421](#)