

Product Information

MemDX™ Antibody Discovery - Human Mesothelin / MSLN (296-580) Membrane Protein, Partial, -hIgG1 Fc tag

Cat. No.: **MP0656F**

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, HPLC, 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 58.6 kDa. The protein migrates as 66-85 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, HPLC, FACS

Expression Systems

HEK293

Tag

Human IgG1 Fc tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Please see Certificate of Analysis for specific instructions.

Endotoxin

<0.1 EU/μg by the LAL method

Purity

>95% as determined by SDS-PAGE.

>90% as determined by SEC-HPLC.

Buffer

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

Storage

Stored at lyophilized form at -20°C or lower. Avoid repeated freeze-thaw cycles.

The antigen can be stable for 12 months in lyophilized form after storage at -20°C to -80°C, 3 months under sterile conditions after reconstitution after storage at -80°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](#)