

FITC-Labeled Human MSLN/Mesothelin Protein

Cat. No. MSL-HM480F

Description

Source	Recombinant FITC-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. Due to glycosylation, the protein migrates to 40-50 kDa based on Bis-Tris PAGE result.
Wavelength	Excitation Wavelength: 490 nm Emission Wavelength: 520 nm
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°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 glycosylphosphatidylinositol 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

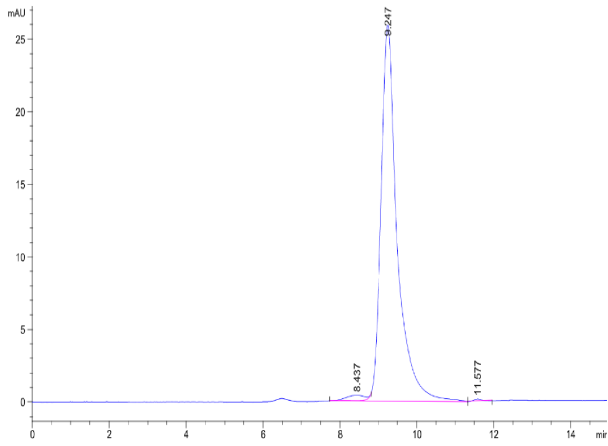
Bis-Tris PAGE



FITC-Labeled Human MSLN on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

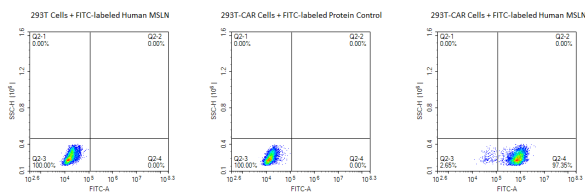
Assay Data



The purity of FITC-Labeled Human MSLN is greater than 95% as determined by SEC-HPLC.

Assay Data

FACS Data



FACS Analysis of Anti-MSLN CAR Expression. 293T cells were transfected with anti-MSLN-scFv and His tag. Cells were stained with 5µg/ml FITC-Labeled Human MSLN (296-580) , His Tag and FITC-labeled protein control. Non-transfected 293T cells and FITC-labeled protein control were used as negative control.