

RP01220

Leader in Biomolecular Solutions for Life Science



Recombinant Human Mesothelin/MSLN Protein

Catalog No.: RP01220

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	10232	Q13421-3

Tags

C-hFc&His

Synonyms

MPF; SMRP;MSLN;SMRP

Product Information

Source	Purification
HEK293 cells	> 97% by SDS-PAGE.

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Basic Information

Description

Recombinant Human Mesothelin/MSLN Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Glu296-Gly580) of human Mesothelin (Accession #NP_005814.2) fused with a Fc, 6×His tag at the C-terminus.

Bio-Activity

Loaded Human Mesothelin/MSLN Protein, C-hFc&His (Catalog: RP01220) on ProA Biosensor, can bind Human CA125 Protein, C-His&Avi (Catalog: RP01417) with an affinity constant of 17.2 nM as determined in BLI assay (Gator).

Storage

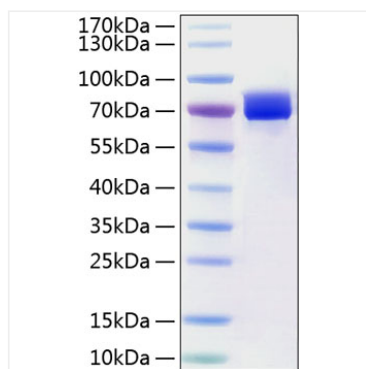
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact

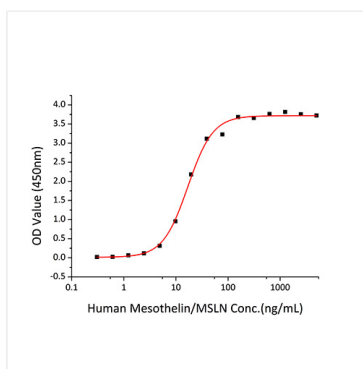


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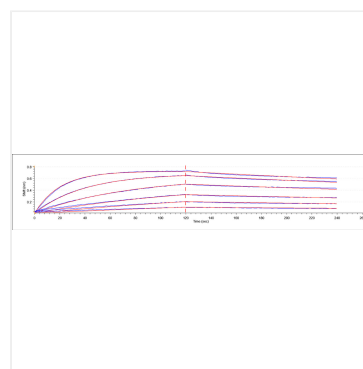
Validation Data



Recombinant Human Mesothelin/MSLN Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 66-85 kDa.



Immobilized Human CA125 at 5 $\mu\text{g/mL}$ (100 $\mu\text{L/well}$) can bind Human Mesothelin/MSLN with a linear range of 0.3-17 ng/mL.



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