

Biotinylated Recombinant Cynomolgus Mesothelin /MSLN Protein (Primary Amine Labeling)

Catalog No.: RP02749B

Sequence Information

Species **Gene ID**
Cynomolgus

Swiss Prot **Tags**
A0A2K5TW94-1 C-His

Synonyms
MSLN; CAK1; Mesothelin; MPF;
MPFSMRP; SMR

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as
determined by
Tris-Bis PAGE; ≥
95 % as
determined by
HPLC.

Calculated MW **Observed MW**
33 kD 35-50 kDa

Endotoxin
< 1 EU/μg of the protein by LAL
method.

Formulation
Lyophilized from a 0.22 μm filtered
solution of PBS, pH 7.4.

Reconstitution
Centrifuge the tube 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

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.

Basic Information

Description

Biotinylated Recombinant Cynomolgus Mesothelin/MSLN Protein (Primary Amine Labeling) is produced by Expi293 expression system. The target protein is expressed with sequence (Asp296-Gly580) of Cynomolgus MSLN fused with a His tag at the C-terminal.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

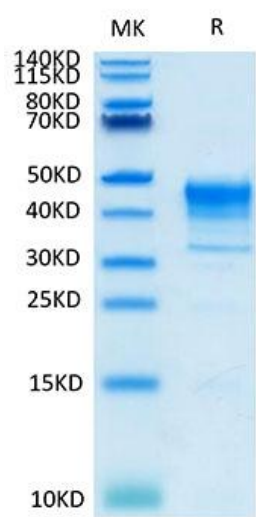
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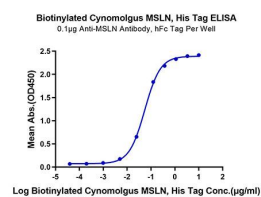
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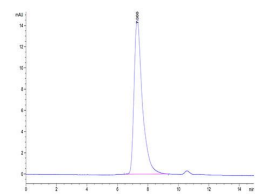
Validation Data



Biotinylated Recombinant Cynomolgus Mesothelin/MSLN Protein (Primary Amine Labeling) was determined by Tris-Bis PAGE under reducing conditions.



Immobilized Anti-MSLN Antibody, hFc Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Cynomolgus MSLN, His Tag with the EC₅₀ of 54.8ng /ml determined by ELISA.



The purity of Biotinylated Cynomolgus MSLN is greater than 95% as determined by SEC-HPLC.