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Biotinylated Recombinant Human TNFSF9/4-1BB Ligand Trimer Protein (Primary Amine Labeling)

Catalog No.: RP00360B Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	8744	P41273

Tags
N-monomeric hFc

Synonyms
41BB Ligand; 4-1BB Ligand; 4-1BBL; CD137L; TNFSF9

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE;≥ 90 % as determined by HPLC.

Calculated MW	Observed MW
84.3 kDa	84 kDa

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

Formulation
Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

The 4-1BBL is the high affinity ligand of 4-1BB, also known as CD137L or TNFSF9. 4-1BB ligand (4-1BBL) is an inducible molecule present on several APC types, including B cells, macrophages and DCs.4-1BB:4-1BBL pathway seems to amplify the existing costimulatory signals, even if the engagement of 4-1BB in the presence of a strong TCR signaling can induce IL-2 production in a CD28-independent manner.

Basic Information

Description
Biotinylated Recombinant Human TNFSF9/4-1BB Ligand Trimer Protein (Primary Amine Labeling) is produced by HEK293 cells expression system. The target protein is expressed with sequence (Arg71-Glu254) of Human TNFSF9/4-1BB Ligand Trimer (Primary Amine Labeling) (Accession #P41273) fused with a N-monomeric hFc tag at the N-terminus.

Bio-Activity

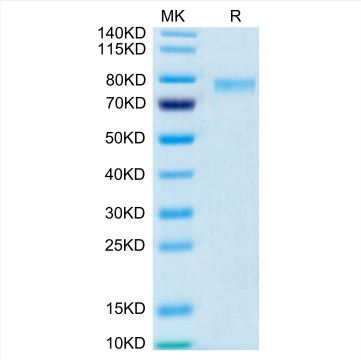
Shipping
The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

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

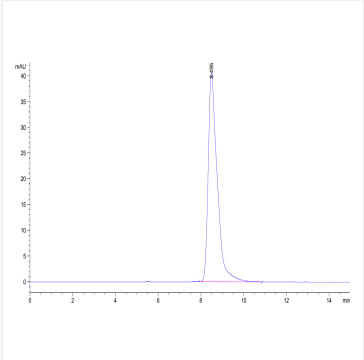
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

* 为了您的安全和健康，请穿实验服并戴一次性手套操作。

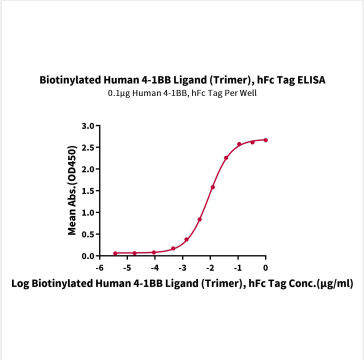
Validation Data



Biotinylated Recombinant Human TNFSF9/4-1BB Ligand Trimer Protein (Primary Amine Labeling) was determined by Tris-Bis PAGE under reducing conditions.



The purity of Biotinylated Human 4-1BB Ligand (Trimer) is greater than 90% as determined by SEC-HPLC.



Immobilized Human 4-1BB, hFc Tag at 1 μg/mL (100 μL/Well) on the plate. Dose response curve for Biotinylated Human 4-1BB Ligand (Trimer), hFc Tag with the EC_{50} of 9.0ng/mL determined by ELISA.