

Cynomolgus 4-1BB Ligand/TNFSF9 Protein

Cat. No. BBL-CM241



Description

| | |
|-------------------------|--|
| Source | Recombinant Cynomolgus 4-1BB Ligand/TNFSF9 Protein is expressed from HEK293 with hFc tag at the C-Terminus. |
| | It contains Arg68-Glu251. |
| Accession | XP_015296398.1 |
| Molecular Weight | The protein has a predicted MW of 46 kDa. Due to glycosylation, the protein migrates to 50-52 kDa based on Bis-Tris PAGE result. |
| 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

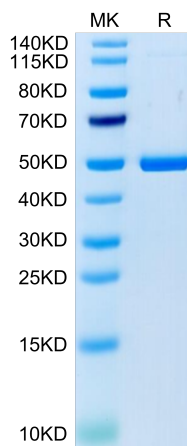
| | |
|-----------------------|---|
| Formulation | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| Reconstitution | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water. |
| Storage | -20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

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.

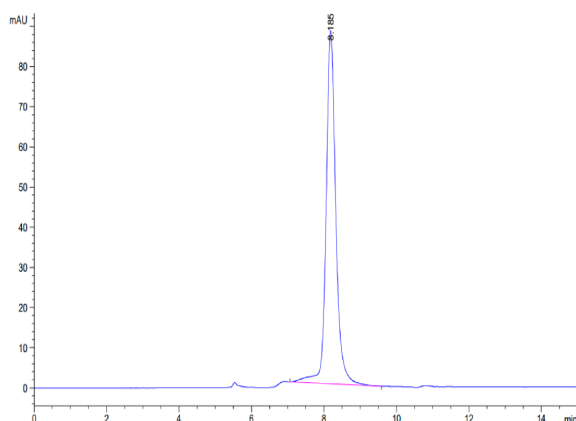
Assay Data

Bis-Tris PAGE



Cynomolgus 4-1BB Ligand on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Cynomolgus 4-1BB Ligand is greater than 95% as determined by SEC-HPLC.

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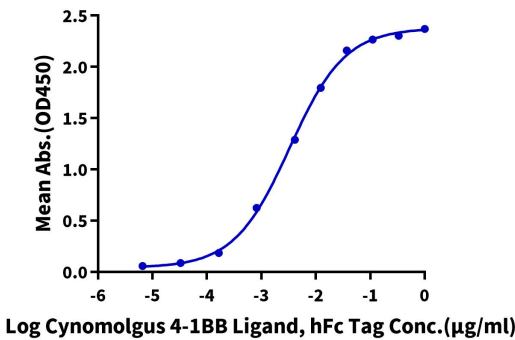


Assay Data

ELISA Data

Cynomolgus 4-1BB Ligand, hFc Tag ELISA

0.02µg Cynomolgus/Rhesus macaque 4-1BB, His Tag Per Well



Immobilized Cynomolgus/Rhesus macaque 4-1BB, His Tag at 0.2µg/ml (100µl/Well) on the plate. Dose response curve for Cynomolgus 4-1BB Ligand, hFc Tag with the EC50 of 3.3ng/ml determined by ELISA.