

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

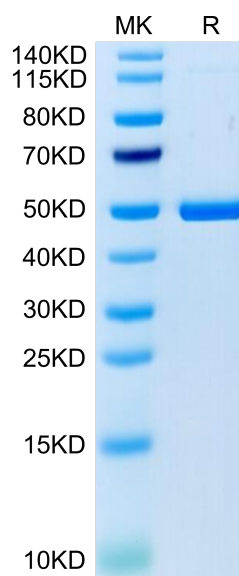
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled 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

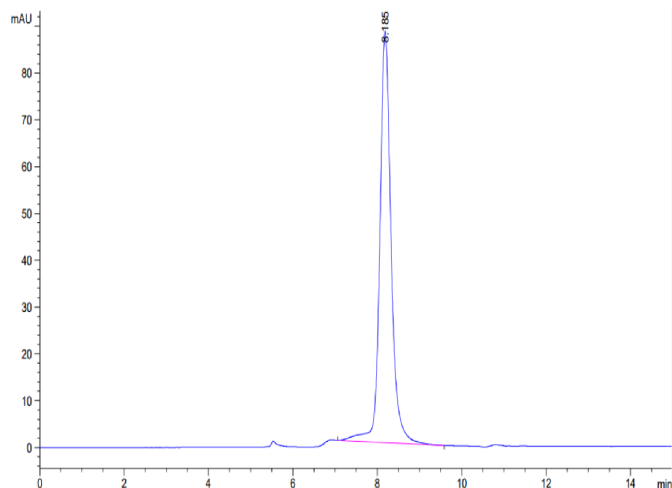
Bis-Tris PAGE



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

SEC-HPLC

Assay Data

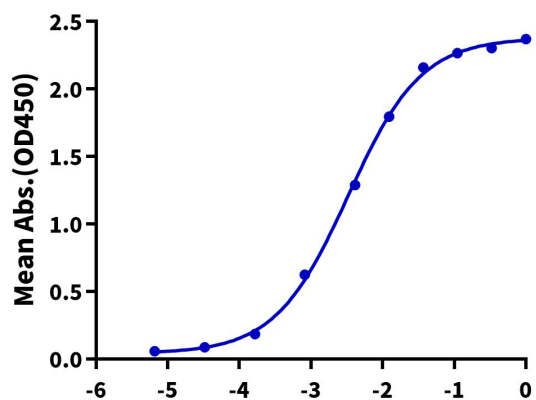


The purity of Cynomolgus 4-1BB Ligand is greater than 95% as determined by SEC-HPLC.

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.