

# Cynomolgus 4-1BB Ligand/TNFSF9 Protein

Cat. No. BBL-CM241

## Description

<b>Source</b>	Recombinant Cynomolgus 4-1BB Ligand/TNFSF9 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Arg68-Glu251.
<b>Accession</b>	XP_015296398.1
<b>Molecular Weight</b>	The protein has a predicted MW of 46 kDa. Due to glycosylation, the protein migrates to 50-52 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

## Formulation and Storage

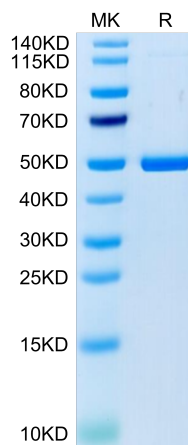
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days 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.

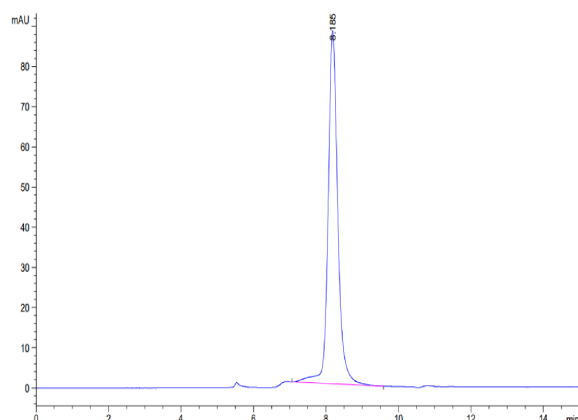
## Assay Data

### Tris-Bis PAGE



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

### SEC-HPLC



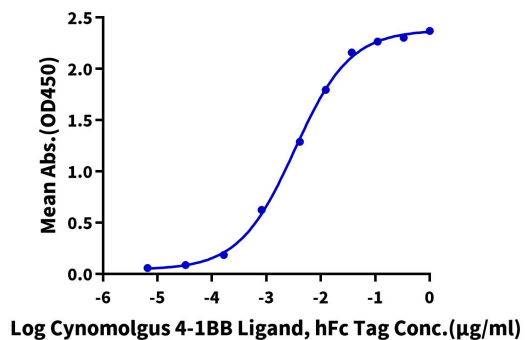
The purity of Cynomolgus 4-1BB Ligand is greater than 95% as determined by SEC-HPLC.

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.