

# Mouse 4-1BB Ligand/TNFSF9 Protein

Cat. No. BBL-MM241

## Description

<b>Source</b>	Recombinant Mouse 4-1BB Ligand/TNFSF9 Protein is expressed from HEK293 with hFc tag at the C-terminus. It contains Arg104-Glu309.
<b>Accession</b>	NP_033430
<b>Molecular Weight</b>	The protein has a predicted MW of 49.7 kDa. Due to glycosylation, the protein migrates to 65-75 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 0.1EU per µg by the LAL method.
<b>Purity</b>	>95% as determined by Bis-Tris PAGE >95% as determined by HPLC

## Formulation and Storage

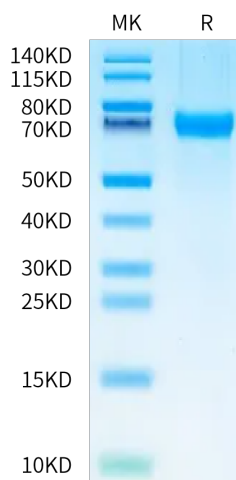
<b>Formulation</b>	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein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

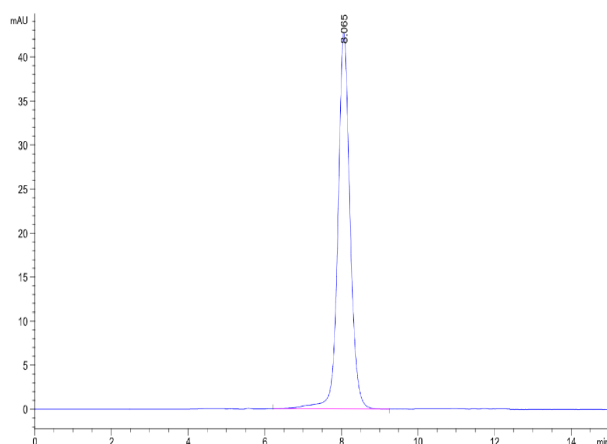
## Assay Data

### Bis-Tris PAGE



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

### SEC-HPLC



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

# Mouse 4-1BB Ligand/TNFSF9 Protein

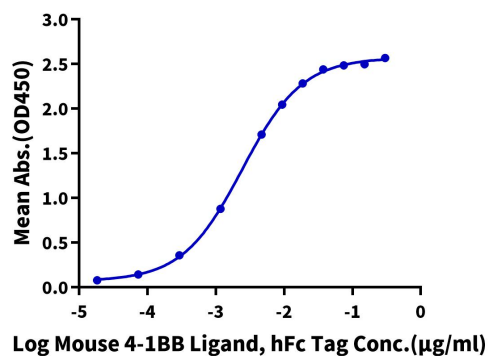
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## Assay Data

### ELISA Data

#### Mouse 4-1BB Ligand, hFc Tag ELISA

0.1µg Mouse 4-1BB, His Tag Per Well



Immobilized Mouse 4-1BB, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Mouse 4-1BB Ligand, hFc Tag with the EC50 of 2.4ng/ml determined by ELISA (QC Test).