

# Recombinant Human 4-1BB Ligand/TNFSF9 Protein

Catalog No.: RP02058LQ **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	8744	P41273

### Tags

Supplied as 0.22um filtered solution in PBS, pH 7.4. Contact us for customized product form or formulation.

### Synonyms

4-1BB-L; CD137L; TNLG5A

## Product Information

Source	Purification
Mammalian	> 95% by SDS-PAGE.

### Endotoxin

< 0.1 EU/μg of the protein by LAL method.

### Formulation

Supplied as 0.22um filtered solution in PBS, pH 7.4. Contact us for customized product form or formulation.

### Reconstitution

## Background

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

### Bio-Activity

Immobilized 4-1BB ligand at 1ug/mL (100ul/well), dose response curve for 4-1BB with the EC<sub>50</sub> of 0.8ug/mL determined by ELISA

### Storage

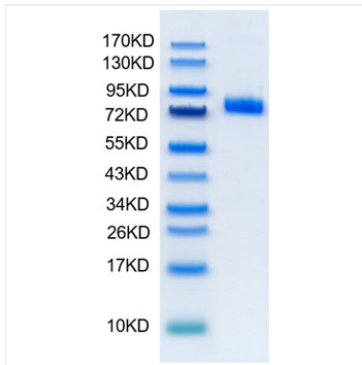
This product is stable at ≤ -70° C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze/thaw cycles.

## Contact

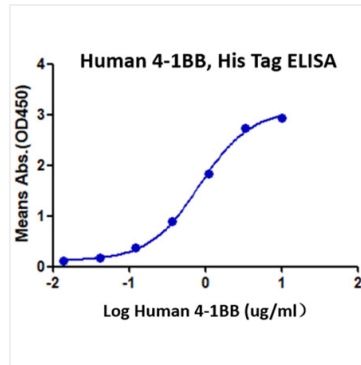
 | [www.abclonal.com](http://www.abclonal.com)

## Validation Data

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Recombinant Human 4-1BB Ligand/TNFSF9 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 84.3 kDa.



Immobilized 4-1BB ligand at 1ug/mL (100ul/well), dose response curve for 4-1BB with the EC<sub>50</sub> of 0.8ug/mL determined by ELISA