

# Mouse 4-1BB/TNFRSF9 Protein

Cat. No. BB4-MM141

## Description

<b>Source</b>	Recombinant Mouse 4-1BB/TNFRSF9 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Val24-Leu211.
<b>Accession</b>	NP_001070976.1
<b>Molecular Weight</b>	The protein has a predicted MW of 21.2 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per $\mu\text{g}$ by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

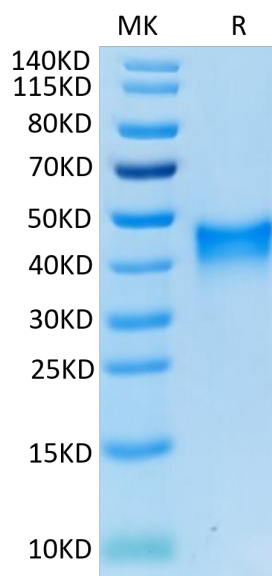
<b>Formulation</b>	Lyophilized from 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. 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

4-1BB, is also known as CD137, is a type 2 transmembrane glycoprotein receptor belonging to the TNF superfamily. CD137 can be expressed by activated T cells, but to a larger extent on CD8 than on CD4 T cells. In addition, CD137 expression is found on dendritic cells, B cells, follicular dendritic cells, natural killer cells, granulocytes and cells of blood vessel walls at sites of inflammation.

## Assay Data

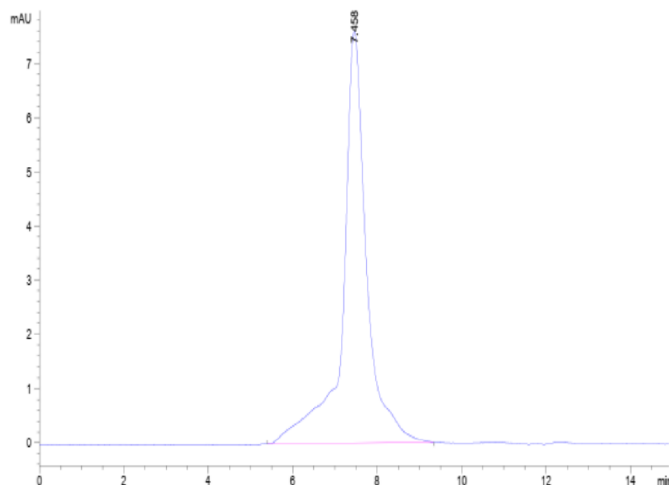
### Bis-Tris PAGE



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

### SEC-HPLC

Assay Data

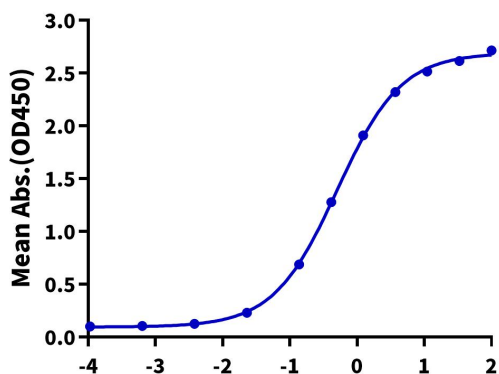


The purity of Mouse 4-1BB is greater than 95% as determined by SEC-HPLC.

ELISA Data

**Mouse 4-1BB, His 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 Human 4-1BB Ligand (Trimer), hFc Tag with the EC50 of 0.51µg/ml determined by ELISA.

Log Human 4-1BB Ligand (Trimer), hFc Tag Conc.(µg/ml)