

Datasheet for ABIN7273921

CD137 Protein (AA 24-186) (His tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CD137 (TNFRSF9)
Protein Characteristics:	AA 24-186
Origin:	Cynomolgus, Rhesus Monkey
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD137 protein is labelled with His tag.

Product Details

Purpose:	Cynomolgus/Rhesus macaque 4-1BB/TNFRSF9 Protein
Sequence:	Leu24-Gln186
Characteristics:	Recombinant Cynomolgus/Rhesus macaque 4-1BB/TNFRSF9 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Leu24-Gln186.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Cynomolgus/Rhesus macaque 4-1BB, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Cynomolgus 4-1BB Ligand, hFc Tag with the EC50 of 6.7ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	CD137 (TNFRSF9)
Alternative Name:	4-1BB (TNFRSF9 Products)
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.
Molecular Weight:	18.4 kDa. Due to glycosylation, the protein migrates to 30-40 kDa based on Tris-Bis PAGE result.
NCBI Accession:	XP_005544945
Pathways:	Cancer Immune Checkpoints

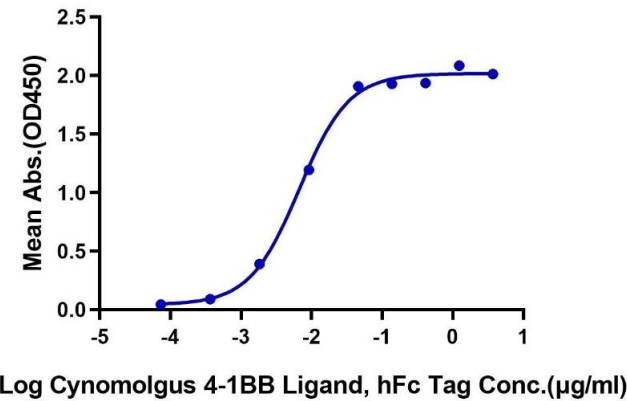
Application Details

Restrictions:	For Research Use only
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Handling

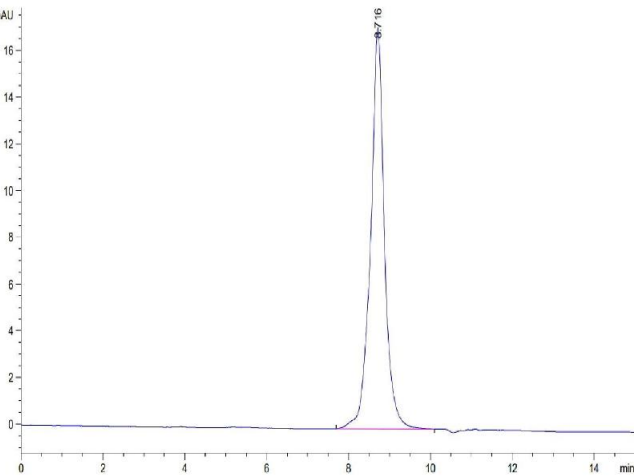
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months 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.
Expiry Date:	12 months

Cynomolgus/Rhesus macaque 4-1BB, His Tag ELISA
0.05µg Cynomolgus/Rhesus macaque 4-1BB, His Tag Per Well



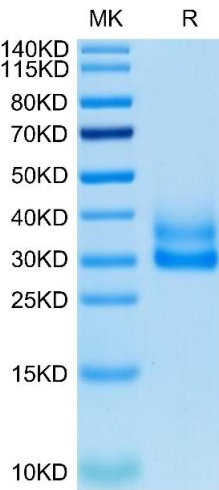
ELISA

Image 1. Immobilized Cynomolgus/Rhesus macaque 4-1BB, His Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Cynomolgus 4-1BB Ligand, hFc Tag with the EC50 of 6.7 ng/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Cynomolgus/Rhesus macaque 4-1BB is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Cynomolgus/Rhesus macaque 4-1BB on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .