

Datasheet for ABIN7273929

TNFSF9 Protein (Trimer) (Fc Tag)**4** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	TNFSF9
Protein Characteristics:	Trimer
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TNFSF9 protein is labelled with Fc Tag.

Product Details

Purpose:	Human 4-1BB Ligand/TNFSF9 Trimer Protein
Sequence:	Arg71-Glu254
Characteristics:	Recombinant Human 4-1BB Ligand/TNFSF9 Trimer Protein is expressed from HEK293 with monomeric hFc tag at the N-Terminus. It contains Arg71-Glu254.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human 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 5.7ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	TNFSF9
Alternative Name:	4-1BB Ligand (TNFSF9 Products)
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.
Molecular Weight:	84.3 kDa same as Tris-Bis PAGE result.
UniProt:	P41273
Pathways:	Activated T Cell Proliferation , Cancer Immune Checkpoints

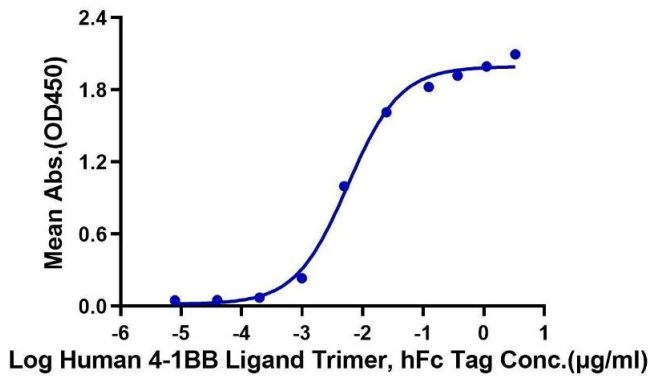
Application Details

Restrictions:	For Research Use only
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Handling

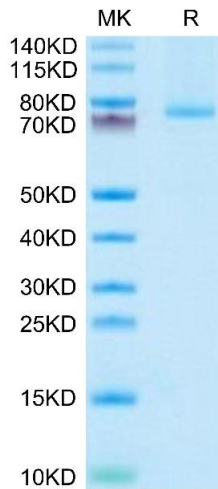
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant 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

Human 4-1BB Ligand Trimer, hFc Tag ELISA
0.1µg Human 4-1BB, His Tag Per Well



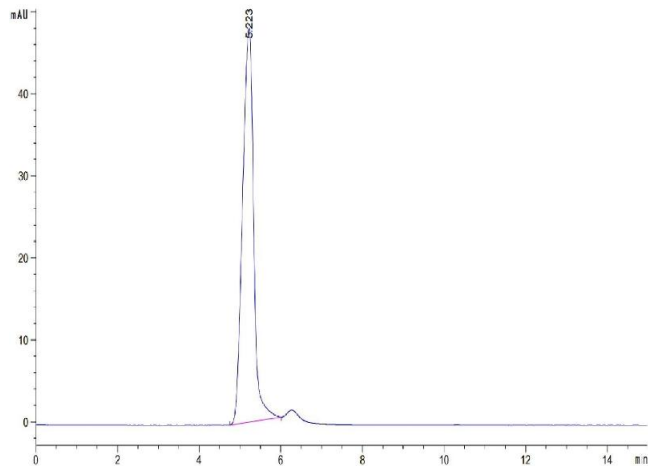
ELISA

Image 1. Immobilized Human 4-1BB, His Tag at 1 µg/mL (100 µL/Well) on the plate. Dose response curve for Human 4-1BB Ligand Trimer, hFc Tag with the EC50 of 5.7 ng/mL determined by ELISA.



SDS-PAGE

Image 2. Human 4-1BB Ligand (Trimer) on Tris-Bis PAGE under reduced condition. The purity is greater than 95 %.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Human 4-1BB Ligand (Trimer) is greater than 95 % as determined by SEC-HPLC.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7273929.