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Human 4-1BBL/TNFSF9 Protein (N-Fc)

Catalog Number:	605801, 605802
Size:	25 ug, 100 ug
Target Name:	TNFSF9, 4-1BB Ligand, CD137L
Regulatory Status:	RUO

PRODUCT DETAILS

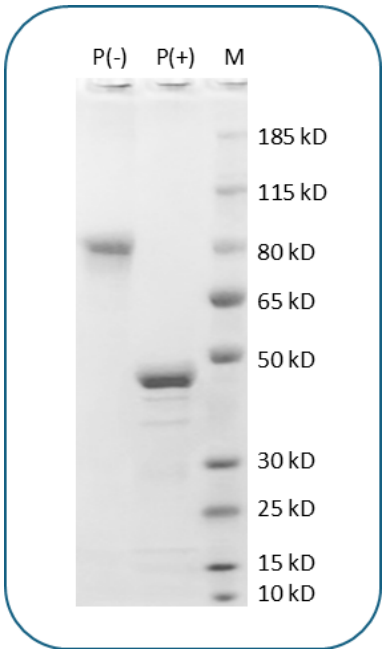
Application:	ELISA, BLI
Format:	Liquid, Purified
Expression Host:	CHO
Species:	Human
Accession Number:	P41273
Sources:	Recombinant Human TNFSF15 (Leu72-Leu251) with N-terminus Fc tag is expressed in CHO cells.
Molecular Weight:	This protein has a predicted molecular weight of 45.4 kDa. Under DTT-reducing conditions, the protein migrates at approximately 46 kDa on SDS-PAGE.
Affinity Tag:	N-Fc
Purity:	>95% based on SDS-PAGE under reducing condition
Formulation:	1xPBS buffer, pH7.4, 0.22 μm filtered
Endotoxin level:	Not tested
Protein Concentration:	25μg size is bottled at 0.2mg/mL concentration. 100 μg size is supplied at a lot-specific concentration.
Storage and Handling:	Briefly centrifuge the vial upon receipt. An unopened vial can be stored at 4°C for up to 2 weeks, or at -20°C or below for up to six months. The protein may be further diluted to 0.1 mg/mL using 0.22 μm-filtered PBS buffer (pH 7.4). For long-term storage, the diluted stock solution should be aliquoted and stored at ≤ –70°C to minimize freeze-thaw cycles. If additional dilution is required, carrier proteins such as FBS or BSA should be added to maintain protein stability.

BACKGROUND INFORMATION

4-1BB Ligand (4-1BBL), also known as CD137L, is a 38 kDa type II transmembrane protein in the TNF superfamily, composed of a cytoplasmic domain, a transmembrane segment, and a large extracellular domain. It is expressed on activated immune cells including B cells, monocytes, macrophages, dendritic cells, T cells, as well as lymphoma/myeloma cells, hematopoietic progenitors, neurons, and astrocytes. A soluble 26 kDa form is also bioactive. 4-1BBL binds to the receptor 4-1BB (CD137/TNFRSF9) on activated CD4+ and CD8+ T cells, NK cells, and various myeloid cells, delivering co-stimulatory signals that promote T cell proliferation, activation, and survival, particularly during later stages of immune responses and memory T cell maintenance. Reverse signaling through 4-1BBL on monocytes and macrophages induces inflammatory cytokine production and modulates immune cell

development.

PRODUCT DATA



Purified Human 4-1BBL/TNFSF9 Protein (N-Fc)on SDS-PAGE under reducing (P+) and non-reducing (P-) conditions. The purity of the purified protein appears to be greater than 95% based on reducing condition.