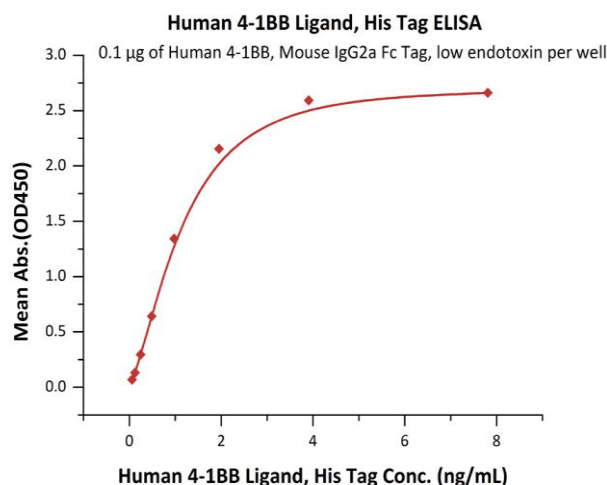
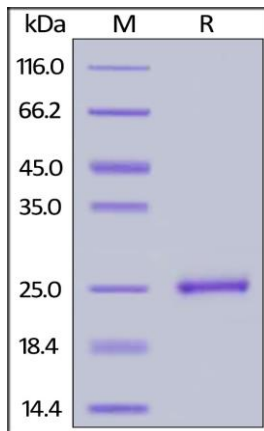


Human CellExp™ 4-1BB Ligand/TNFSF9, Human recombinant

CATALOG NO:	P1461-10 10 µg P1461-50 50 µg
ALTERNATE NAMES:	4- 1BB Ligand, TNFSF9, CD137L
MOL. WT.	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 23.3 kDa. The protein migrates as 25 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
SOURCE:	HEK 293 cells
PURITY:	>95% SDS-PAGE
ENDOTOXIN:	Less than 1.0 EU per µg by the LAL method.
FORM:	Lyophilized
FORMULATION:	Lyophilized from 0.22 µm filtered solution in PBS with Arginine, pH7.4. Normally trehalose is added as protectant before lyophilization.
RECONSTITUTION:	Reconstitute in sterile deionized water to the desired protein concentration.
SPECIFIC ACTIVITY:	Immobilized Human 4-1BB, Mouse IgG2a Fc Tag, low endotoxin at 1 µg/mL (100 µL/well) can bind Human 4-1BB Ligand with a linear range of 0.1-2 ng/mL
STORAGE CONDITIONS:	Store at -20°C. After reconstitution, aliquot and store at -80°C and use within 3 months. Avoid repeated freezing and thawing cycles.
DESCRIPTION:	Tumor necrosis factor ligand superfamily member 9 (4-1BBL) is also known as 4-1BB ligand, CD137L or TNFSF9, which is a cytokine that binds to TNFRSF9. 4-1BBL is the high affinity ligand of 4-1BB. 4-1BBL induces the proliferation of activated peripheral blood T-cells. Also, 4-1BBL may have a role in activation-induced cell death (AICD). Furthermore, 4-1BBL may play a role in cognate interactions between T-cells and B-cells/macrophages. As for diseases, 4-1BBL is involved in cancers, infectious diseases and autoimmune diseases.
AMINO ACID SEQUENCE:	Ala 50 - Glu 254



Immobilized Human 4-1BB, Mouse IgG2a Fc Tag, low endotoxin at 1 µg/mL (100 µL/well) can bind Human 4- 1BB Ligand with a linear range of 0.1-2 ng/mL



Human 4- 1BB Ligand, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

RELATED PRODUCTS:

- Human CellExp™ 4-1BB Ligand/TNFSF9, Human recombinant (9240)
- Human CellExp™ CD40 Ligand / TNFSF5, Fc tag, Human Recombinant (P1175)
- Human CellExp™ CD40 Ligand / TNFSF5, Human Recombinant (P1174)

FOR RESEARCH USE ONLY! Not to be used on humans.