

## **PRODUCT INFORMATION**

4-1BB **Target** 

**Synonyms** TNFRSF9;4-1BB;CD137;CDw137;ILA

Recombinant human 4-1BB protein with C-**Description** 

terminal mouse Fc and 6×His tag

**Delivery** In Stock **Uniprot ID** Q07011 **Expression Host HEK293** 

Tag C-Mouse Fc and 6×His Tag

Molecular

**Purity** 

**Background** 

41BB(Leu24-Gln186) mFc(Pro99-Lys330) 6×His Characterization

The protein has a predicted molecular mass of **Molecular Weight** 54-60 kDa after removal of the signal peptide.

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before Formulation & Reconstitution

lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor contributes to the clonal expansion, survival, and development of T cells. It can also induce

proliferation in peripheral monocytes, enhance T cell apoptosis induced by TCR/CD3 triggered activation, and regulate CD28 co-stimulation to promote Th1 cell responses. The expression of this receptor is induced by lymphocyte activation.

TRAF adaptor proteins have been shown to bind to this receptor and transduce the signals leading

to activation of NF-kappaB.

Usage Research use only

Conjugate Unconjugated









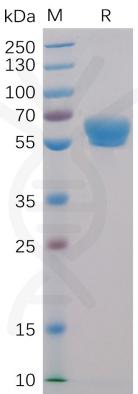


Figure 1. Human 4-1BB Protein, mFc-His Tag on SDS-PAGE under reducing condition.

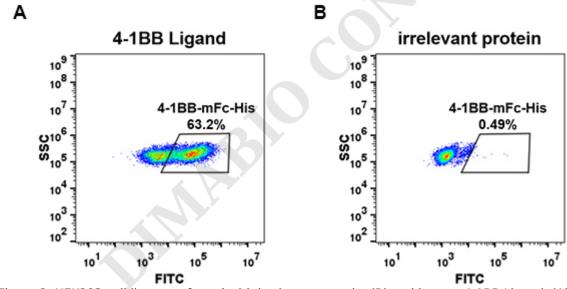


Figure 2. HEK293 cell line transfected with irrelevant protein (B) and human 4-1BB Ligand (A) were surface stained with Human 4-1BB, mFc-His tagged protein (PME100011)  $1\mu$ g/ml followed by Alexa 488-conjugated anti-mouse IgG secondary antibody.

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## Human 4-1BB, mFc-His Tagged protein ELISA

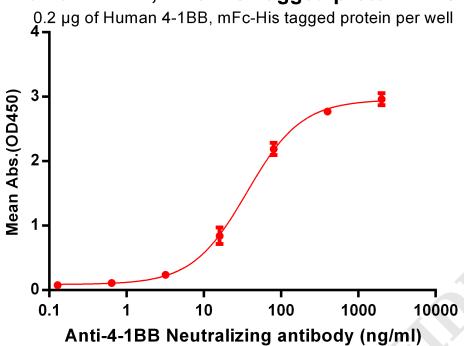


Figure 3. ELISA plate pre-coated by 2  $\mu$ g/ml (100  $\mu$ l/well) Human 4-1BB, mFc-His tagged protein (PME100011) can bind Anti-4-1BB Neutralizing antibody BME100037 in a linear range of 3.2-400 ng/ml.

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