

## **PRODUCT INFORMATION**

**Target BTLA** 

**Synonyms** BTLA;CD272

Recombinant human BTLA protein with C-terminal **Description** 

6×His tag

**Delivery** In Stock **Uniprot ID** Q7Z6A9 **Expression Host HEK293** 

Tag C-6×His Tag

Molecular

**Background** 

Human BTLA(Lys31-Ser150) 6×His tag Characterization

The protein has a predicted molecular mass of

14.6 kDa after removal of the signal peptide. The **Molecular Weight** apparent molecular mass of Human-BTLA-His is approximately 25-35 kDa due to glycosylation.

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

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Formulation & Reconstitution

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 Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

This gene encodes a member of the immunoglobulin superfamily. The encoded protein contains a single immunoglobulin (Ig) domain and is a receptor that relays inhibitory

signals to suppress the immune response.

Alternative splicing results in multiple transcript variants. Polymorphisms in this gene have been associated with an increased risk of rheumatoid

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arthritis.

**Usage** Research use only

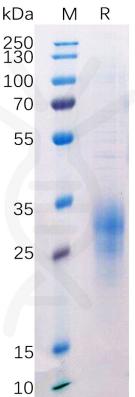
Conjugate Unconjugated

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10 Figure 1. Human BTLA Protein, His Tag on SDS-PAGE under reducing condition.

## **Human BTLA, His Tagged protein ELISA**

0.1µg of Human BTLA, His Tagged protein per well

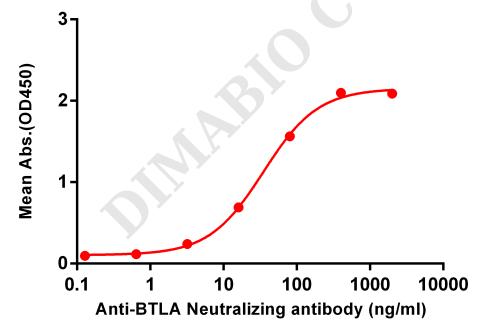


Figure 2. ELISA plate pre-coated by 1  $\mu$ g/ml (100  $\mu$ l/well) Human BTLA , His tagged protein (PME100524) can bind Anti-BTLA Neutralizing antibody BME100054 in a linear range of 16-80 ng/ml.

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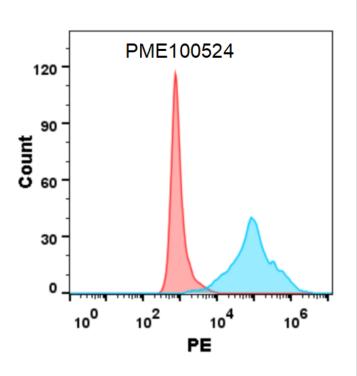


Figure 3. Flow cytometry analysis with 15  $\mu$ g/mL Human BTLA Protein, His tag (PME100524) on HEK293 cells transfected with human HVEM (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

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