Cat. No. PME100524



## **PRODUCT INFORMATION**

**Target BTLA** 

BTLA;CD272 **Synonyms** 

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

**Molecular Weight** 

**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 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 % Formulation & Reconstitution

- 8% trehalose is added as protectants before 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 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

arthritis.

**Usage** Research use only

Conjugate Unconjugated



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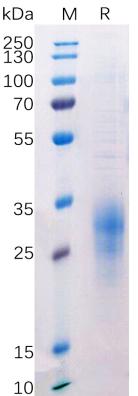


Figure 1. Human BTLA Protein, His Tag on SDS-PAGE under reducing condition.

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

0.1µg of Human BTLA, His Tagged protein per well

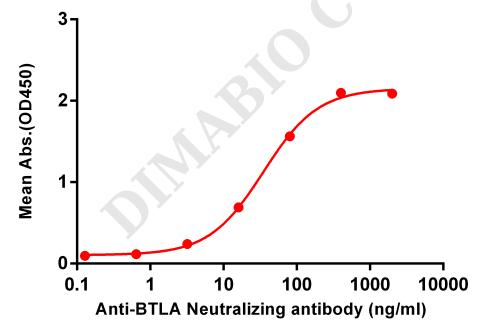


Figure 2. ELISA plate pre-coated by 1  $\mu$ g/ml (100  $\mu$ l/well) Human BTLA , His tagged protein (PME100524) can bind Anti-BTLA Neutralizing antibody BME100054 in a linear range of 16-80 ng/ml.

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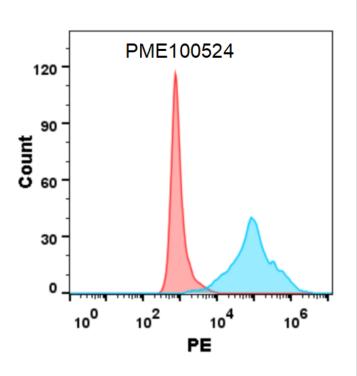


Figure 3. Flow cytometry analysis with 15  $\mu$ g/mL Human BTLA Protein, His tag (PME100524) on HEK293 cells transfected with human HVEM (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

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