

## **PRODUCT INFORMATION**

BAFF **Target** 

TNFSF13B;BAFF;BLYS;CD257;DTL;TALL1;THANK;TNFSF20;ZTNF4;TALL-1 **Synonyms** 

Description Recombinant Human BAFF protein with N-terminal human Fc

Delivery In Stock Q9Y275 **Uniprot ID Expression Host HEK293** 

N-Human Fc Tag

Molecular Characterization

**Background** 

hFc(Glu99-Ala330) BAFF(Ala134-Leu285)

The protein has a predicted molecular mass of 43.2 kDa after removal of the signal peptide. The apparent molecular mass of hFc-BAFF is approximately 50-55 kDa due to glycosylation. **Molecular Weight** 

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

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. Formulation & 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). Lyophilized proteins are shipped at ambient temperature. Storage & Shipping

The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for receptors TNFRSF13B/TACI, TNFRSF17/BCMA, and TNFRSF13C/BAFFR. This cytokine is expressed in B cell lineage cells, and acts as a potent B cell activator. It has been also shown to play an important role in the proliferation and differentiation of B cells. Alternatively spliced transcript variants encoding distinct isoforms have been identified.

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Research use only Usage Conjugate Unconjugated





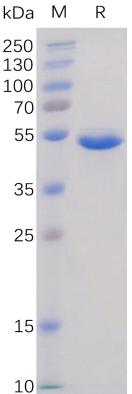


Figure 1. Human BAFF Protein, hFc Tag on SDS-PAGE under reducing condition.

## **Human BAFF, hFc Tagged protein ELISA**

0.2 µg of BAFF, hFc Tagged protein per well

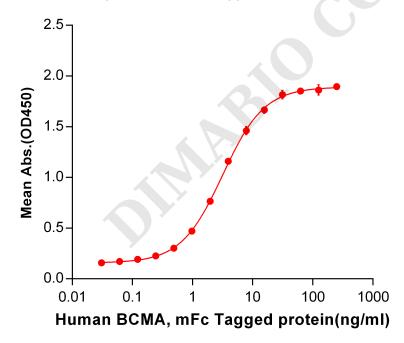


Figure 2. ELISA plate pre-coated by 2  $\mu$ g/ml (100  $\mu$ l/well) Human BAFF, hFc tagged protein (PME100043) can bind Human BCMA, mFc tagged protein PME100035 in a linear range of 0.03-15.625 ng/ml.

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## **Human BAFF, hFc Tagged protein ELISA**

0.2 µg of BAFF, hFc Tagged protein per well

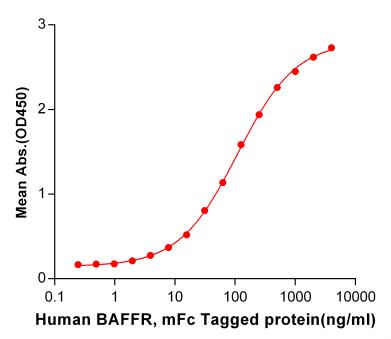


Figure 3. ELISA plate pre-coated by 2  $\mu$ g/ml (100  $\mu$ l/well) Human BAFF, hFc tagged protein (PME100043) can bind Human BAFF-R, mFc tagged protein PME100044 in a linear range of 0.488-250.0 ng/ml.

## Human BAFF, hFc Tagged protein ELISA

0.2 µg of Human BAFF, hFc Tagged protein per well

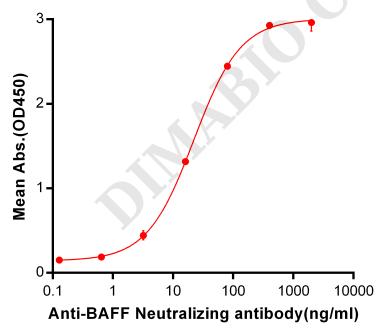


Figure 4. ELISA plate pre-coated by 2  $\mu$ g/ml (100  $\mu$ l/well) Human BAFF, hFc tagged protein (PME100043) can bind Anti-BAFF Neutralizing antibody BME100044 in a linear range of 3.2-400 ng/ml.

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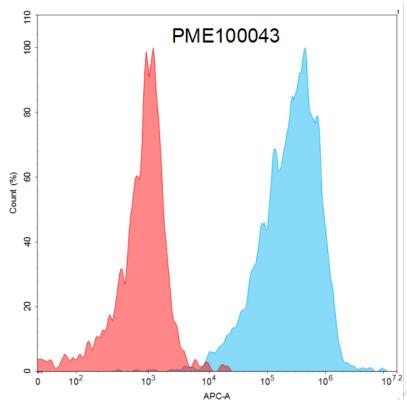


Figure 5. Flow cytometry analysis with 15  $\mu$ g/mL Human BAFF Protein, hFc tag (PME100043) on HEK293 cells transfected with human BAFF-R (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

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