Cat. No. PME100035



## **PRODUCT INFORMATION**

**Target BCMA** 

TNFRSF17;CD269;BCM;BCMA **Synonyms** 

Recombinant human BCMA protein with C-**Description** 

terminal mouse Fc tag

**Delivery** In Stock Q02223 **Uniprot ID Expression Host HEK293** 

Tag C-Mouse Fc Tag

Molecular

**Purity** 

**Background** 

BCMA(Met1-Ala54) mFc(Pro99-Lys330) Characterization

The protein has a predicted molecular mass of **Molecular Weight** 32.1 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 & lyophilization. Please see Certificate of Analysis 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 at -80°C (Avoid repeated freezing and thawing). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

B-cell maturation protein (BCMA or BCM), is also known as Tumor necrosis factor receptor superfamily member 17 (TNFRSF17), which is encoded by the TNFRSF17 gene. TNFRSF17 is a

cell surface receptor of the TNF receptor superfamily which recognizes B-cell activating factor (BAFF). This receptor is expressed in

immune organs and mature B cell lines. BCMA promotes B-cell survival and plays a role in the regulation of humoral immunity. BCMA can activate NF-kappa-B and JNK.

**Usage** Research use only

Conjugate Unconjugated



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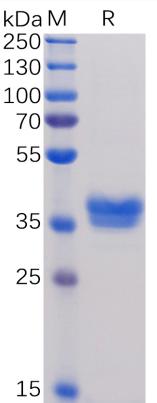


Figure 1. Human BCMA, mFc Tag on SDS-PAGE under reducing condition.

## Human BCMA, mFc Tagged protein ELISA

0.2 µg of BAFF, hFc Tagged protein per well

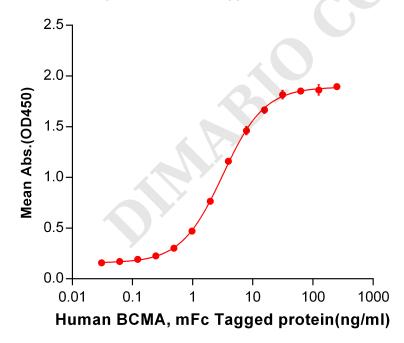


Figure 2. ELISA plate pre-coated by 2  $\mu$ g/ml (100  $\mu$ l/well) Human BAFF, hFc tagged protein PME100043 can bind Human BCMA, mFc tagged protein (PME100035) in a linear range of 0.03-15.625 ng/ml.

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## Human BCMA, mFc Tagged protein ELISA

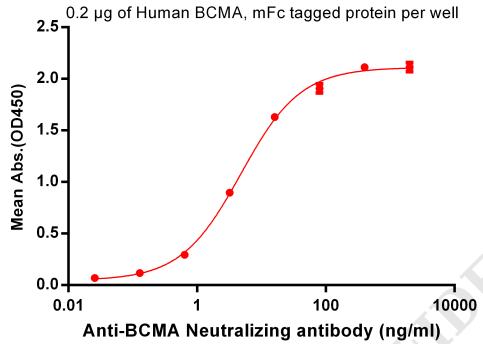


Figure 3. ELISA plate pre-coated by 2  $\mu$ g/ml (100  $\mu$ l/well) Human BCMA, mFc tagged protein (PME100035) can bind Anti-BCMA Neutralizing antibody BME100028 in a linear range of 0.64-80.0 ng/ml.

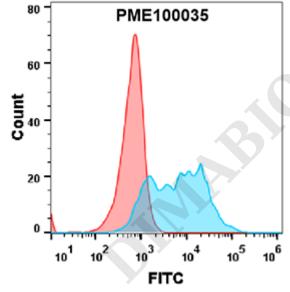


Figure 4. Flow cytometry analysis with  $1\mu g/ml$  Human BCMA Protein, mFc tag (PME100035) on HEK293 cells transfected with human BAFF (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

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