

PRODUCT INFORMATION

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| Target | BCMA |
| Synonyms | TNFRSF17;CD269;BCM;BCMA |
| Description | Recombinant human BCMA protein with C-terminal mouse Fc tag |
| Delivery | In Stock |
| Uniprot ID | Q02223 |
| Expression Host | HEK293 |
| Tag | C-Mouse Fc Tag |
| Molecular Characterization | BCMA(Met1-Ala54) mFc(Pro99-Lys330) |
| Molecular Weight | The protein has a predicted molecular mass of 32.1 kDa after removal of the signal peptide. |
| Purity | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining. |
| Formulation & Reconstitution | 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. |
| Storage&Shipping | 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. |
| Background | 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 |



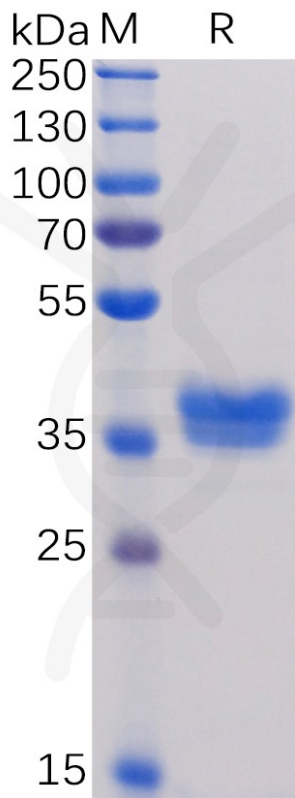


Figure 1. Human BCMA, mFc Tag on SDS-PAGE under reducing condition.

Human BCMA, mFc Tagged protein ELISA
0.2 µg of BAFF, hFc Tagged protein per well

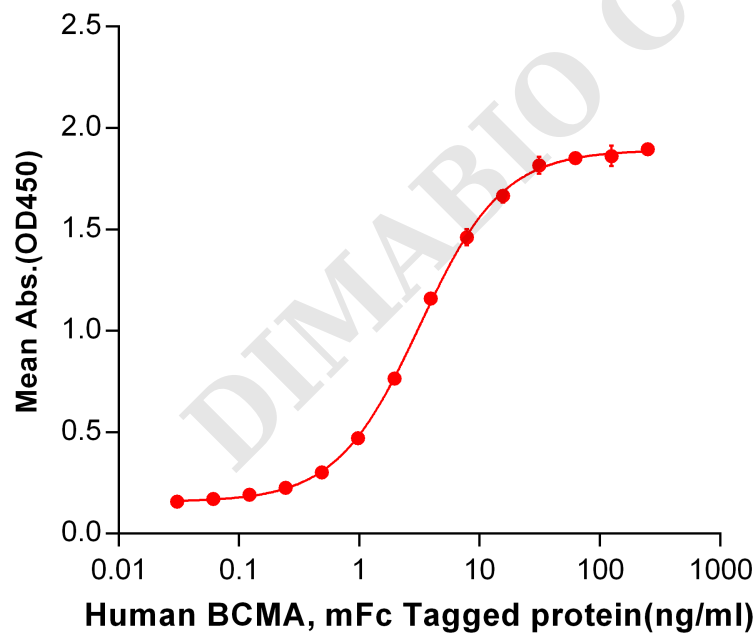


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human BAFF, hFc tagged protein PME100043 can bind Human BCMA, mFc tagged protein (PME100035) in a linear range of 0.03-15.625 ng/ml.



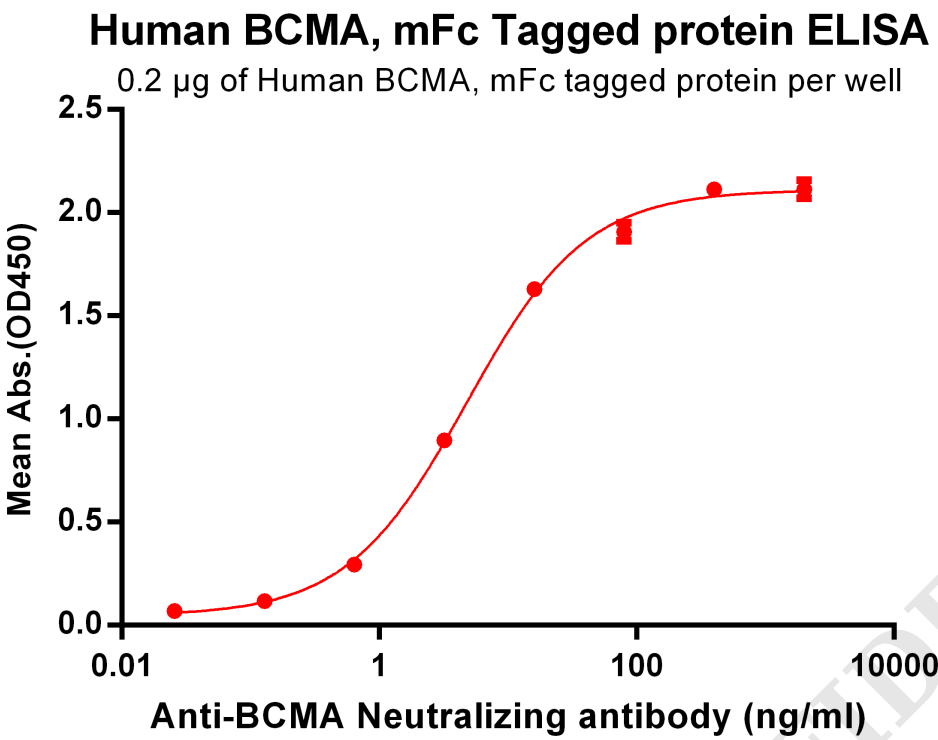


Figure 3. ELISA plate pre-coated by 2 μ g/ml (100 μ l/well) Human BCMA, mFc tagged protein (PME100035) can bind Anti-BCMA Neutralizing antibody BME100028 in a linear range of 0.64-80.0 ng/ml.

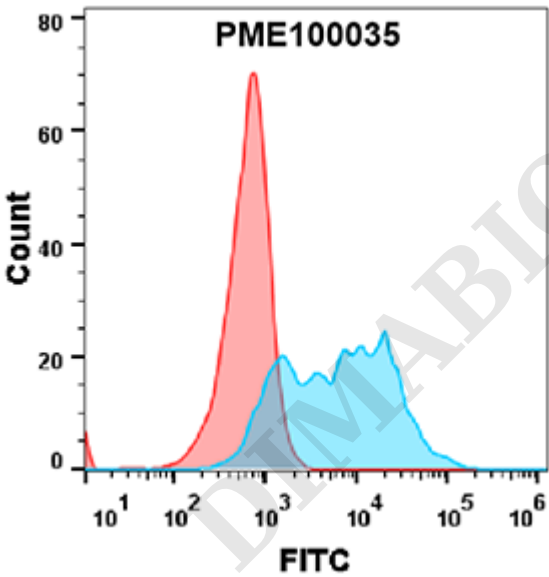


Figure 4. Flow cytometry analysis with 1 μ g/ml Human BCMA Protein, mFc tag (PME100035) on HEK293 cells transfected with human BAFF (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

