

## PRODUCT INFORMATION

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



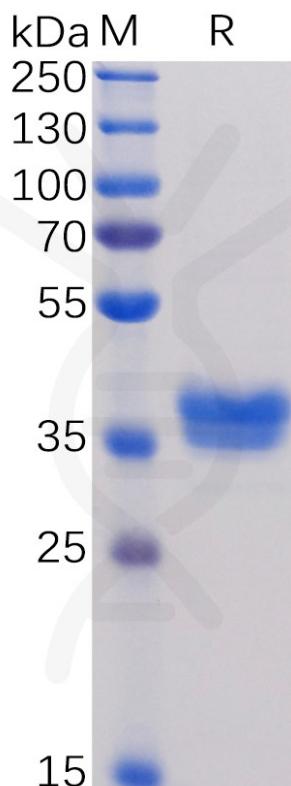


Figure 1. Human BCMA, mFc Tag on SDS-PAGE under reducing condition.

### Human BCMA, mFc Tagged protein ELISA

0.2 µg of BAFF, hFc Tagged protein per well

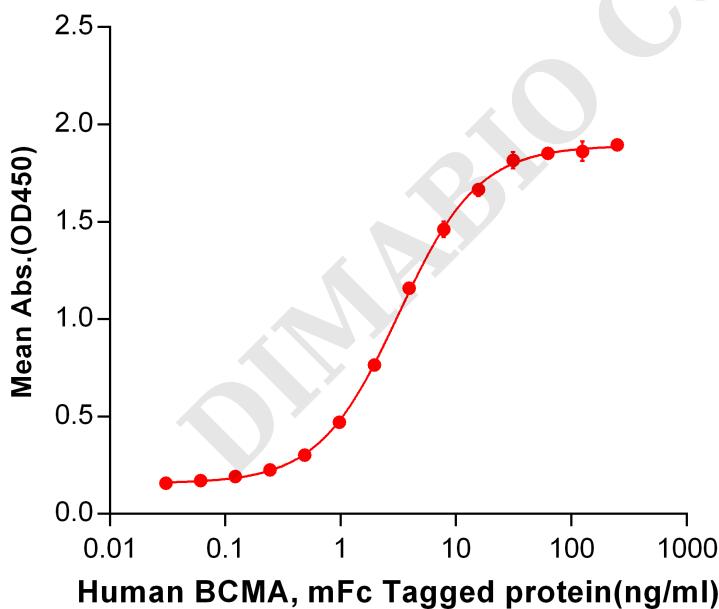


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human BAFF, hFc tagged protein PME100043 can bind Human BCMA, mFc tagged protein (PME100035) in a linear range of 0.03-15.625 ng/ml.



### Human BCMA, mFc Tagged protein ELISA

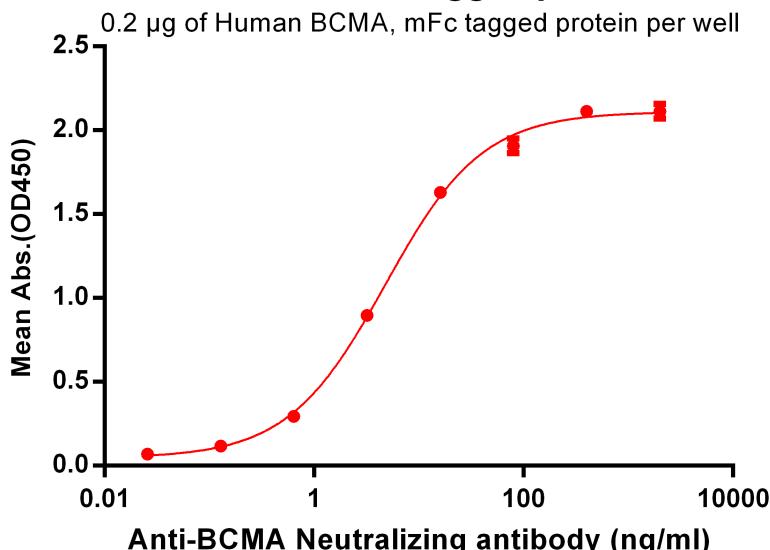


Figure 3. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human BCMA, mFc tagged protein (PME100035) can bind Anti-BCMA Neutralizing antibody BME100028 in a linear range of 0.64-80.0 ng/ml.

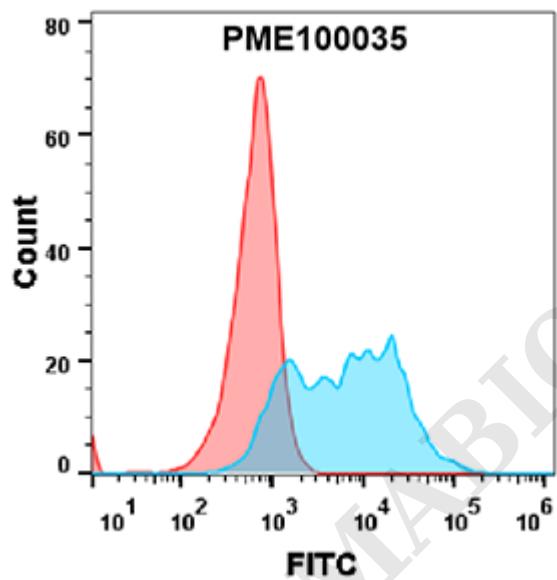


Figure 4. Flow cytometry analysis with 1 µg/ml Human BCMA Protein, mFc tag (PME100035) on HEK293 cells transfected with human BAFF (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

