

PRODUCT INFORMATION

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



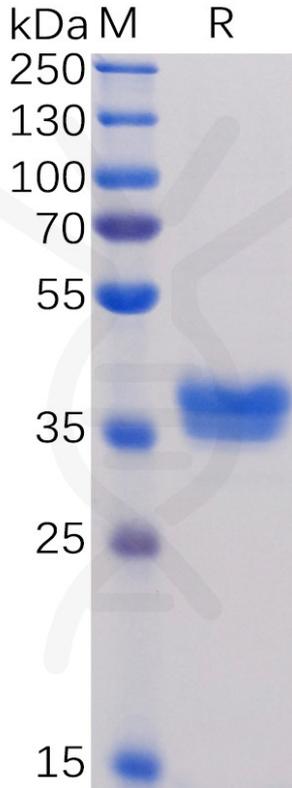


Figure 1. Human BCMA, mFc Tag on SDS-PAGE under reducing condition.

Human BCMA, mFc Tagged protein ELISA

0.2 μ g of BAFF, hFc Tagged protein per well

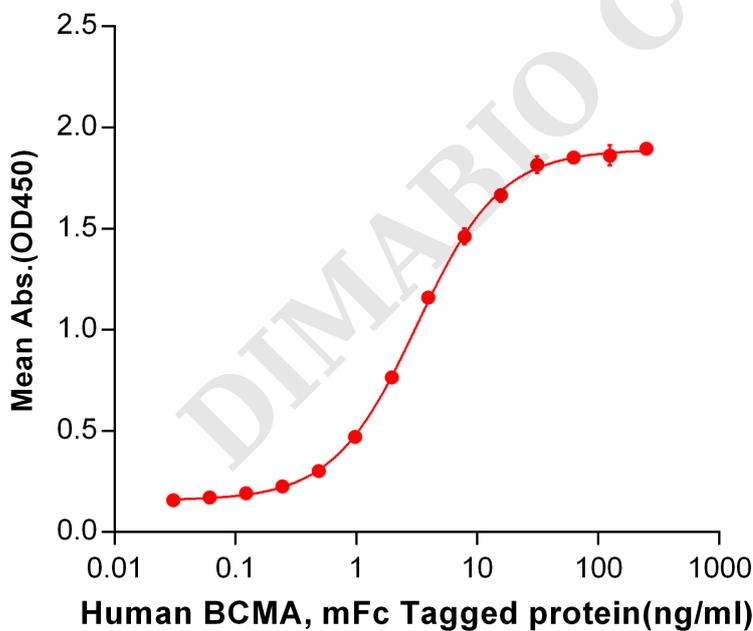


Figure 2. ELISA plate pre-coated by 2 μ g/ml (100 μ l/well) Human BAFF, hFc tagged protein PME100043 can bind Human BCMA, mFc tagged protein (PME100035) in a linear range of 0.03-15.625 ng/ml.



Human BCMA, mFc Tagged protein ELISA

0.2 μ g of Human BCMA, mFc tagged protein per well

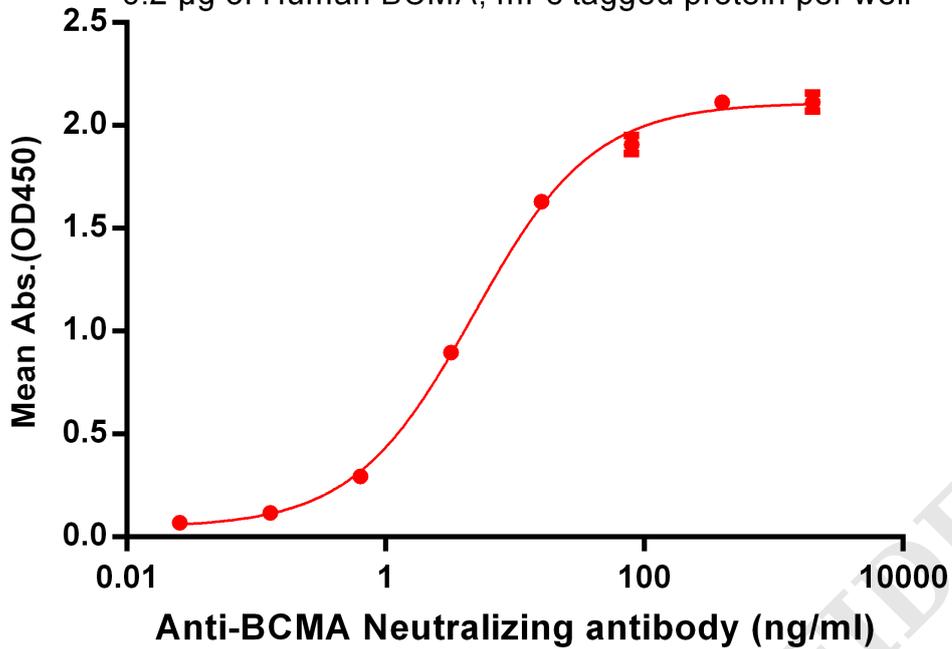


Figure 3. ELISA plate pre-coated by 2 μ g/ml (100 μ l/well) Human BCMA, mFc tagged protein (PME100035) can bind Anti-BCMA Neutralizing antibody BME100028 in a linear range of 0.64-80.0 ng/ml.

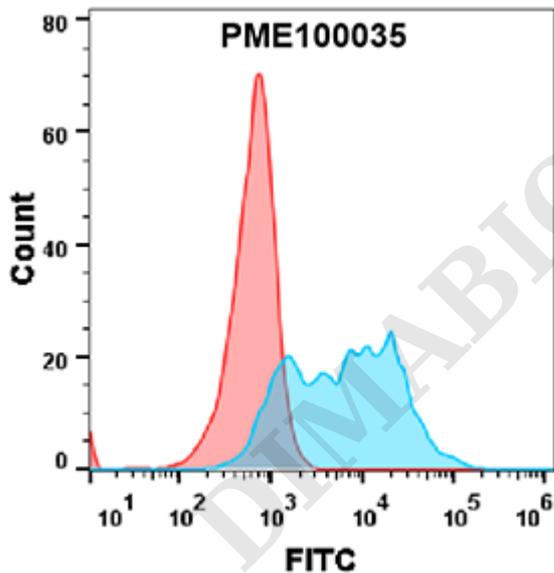


Figure 4. Flow cytometry analysis with 1 μ g/ml Human BCMA Protein, mFc tag (PME100035) on HEK293 cells transfected with human BAFF (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).



Human BCMA, mFc Tagged Protein ELISA

0.2 μg of Human BCMA , mFc tagged protein per well

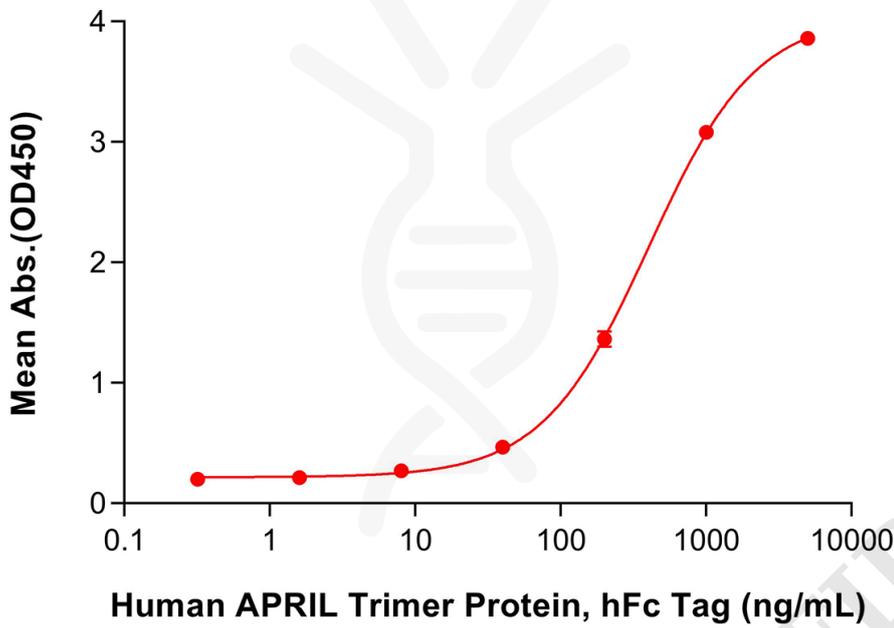


Figure 5. ELISA plate pre-coated by 2 $\mu\text{g}/\text{mL}$ (100 $\mu\text{L}/\text{well}$) Human BCMA Protein, mFc Tag (PME100035) can bind Human APRIL Trimer Protein, hFc Tag (PME101972) in a linear range of 0.2–1 $\mu\text{g}/\text{mL}$.

