

PRODUCT INFORMATION

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| Target | BCMA |
| Synonyms | TNFRSF17;CD269;BCM;BCMA |
| Description | Recombinant human BCMA protein with C-terminal human Fc and 6×His tag |
| Delivery | In Stock |
| Uniprot ID | Q02223 |
| Expression Host | HEK293 |
| Tag | C-Human Fc and 6×His Tag |
| Molecular Characterization | BCMA(Leu2-Ala54) hFc(Glu99-Ala330) 6×His tag |
| Molecular Weight | The protein has a predicted molecular mass of 32.7 kDa after removal of the signal peptide. The apparent molecular mass of BCMA-hFc-His is approximately 40 kDa due to glycosylation. |
| 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 |



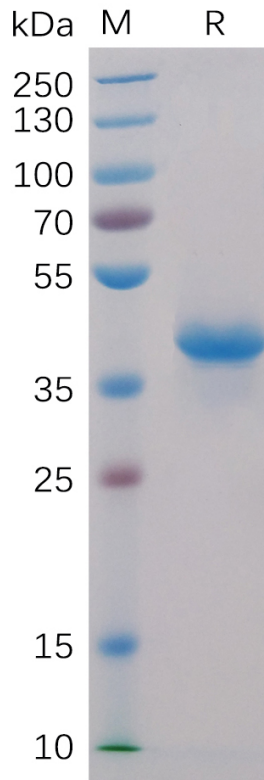


Figure 1. Human BCMA, hFc-His Tag on SDS-PAGE under reducing condition.

Human BCMA, hFc-His Tagged protein ELISA

0.2 μ g of Human BCMA, hFc-His Tagged protein per well

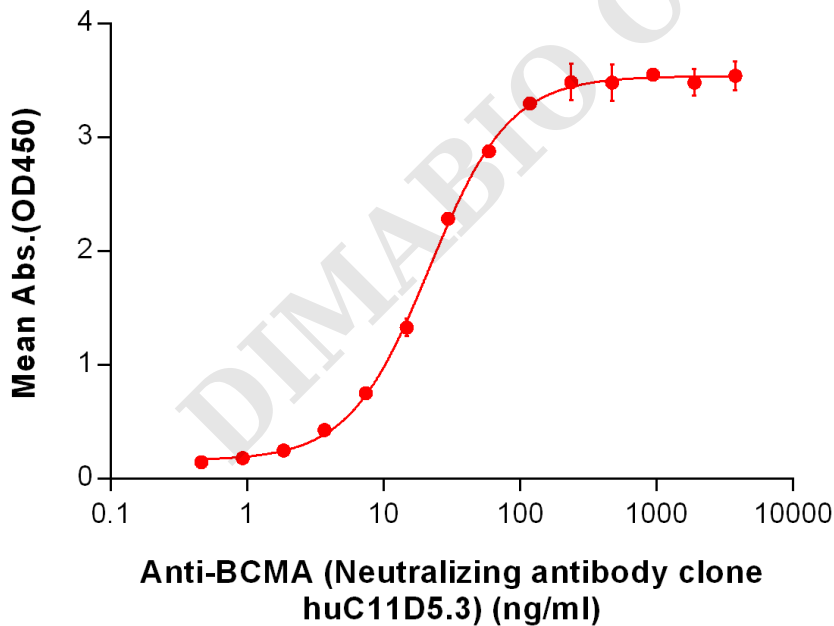


Figure 2. ELISA plate pre-coated by 2 μ g/ml (100 μ l/well) Human BCMA, hFc-His tagged protein can bind Anti-BCMA (Neutralizing antibody clone huC11D5.3) BME100016 in a linear range of 3.71-22.29 ng/ml.

