HUMAN BCMA PROTEIN, HFC-HIS TAG

: 11129

: Human BCMA Protein

: 10 µg, 50 µg and 100 µg

: TNFRSF17;CD269;BCM;BCMA

Target: BCMA

UNIPROT ID: Q02223

: Recombinant human BCMA protein with C-terminal human Fc and 6xHis tag

: 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.

Species/Host: HEK293

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.

Molecular Characterization: BCMA(Met1-Ala54) hFc(Glu99-Ala330) 6×His tag

:: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

: Store at -20ºC to -80ºC for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80ºC (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
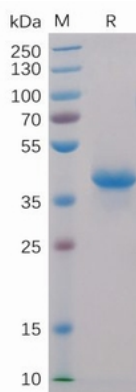

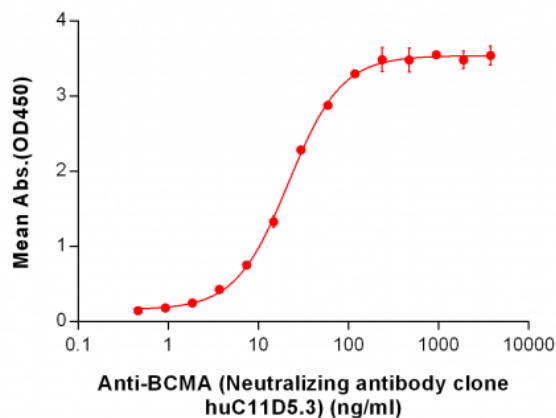Figure 1. Human BCMA, hFc-His Tag on SDS-PAGE under reducing condition.

Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human BCMA, hFc-His tagged protein can bind BCMA (Neutralizing antibody clone huC11D5.3) 28025 in a linear range of 3.71-22.29 ng/ml.