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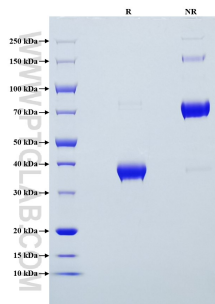
Recombinant Human BCMA/TNFRSF17 protein (hFc Tag)



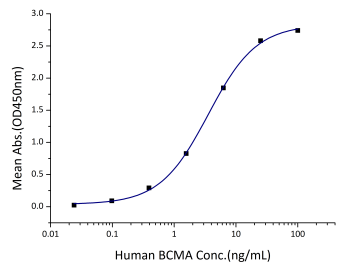
Catalog Number: Eg0812

Basic Information	Species: Human EC50: 2-8 ng/mL	Purity: >95 %, SDS-PAGE	Tag: hFc Tag
Technical Specifications	Purity: >95 %, SDS-PAGE Endotoxin Level: <0.1 EU/ µg protein, LAL method Source: HEK293-derived Human BCMA protein Met1-Ala54 (Accession# Q02223) with a human IgG1 Fc tag at the C-terminus. GeneID: 608 Accession: Q02223 Predicted Molecular Mass: 32.4 kDa SDS-PAGE: 35-40 kDa, reducing (R) conditions Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Immobilized Human BAFF (GST tag) at 1 µg/mL (100 µL/well) can bind Human BCMA (hFc tag) with a linear range of 2-8 ng/mL.		
Storage and Shipping	Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. <ul style="list-style-type: none">• Until expiry date, -20°C to -80°C as lyophilized proteins.• 3 months, -20°C to -80°C under sterile conditions after reconstitution. Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	BCMA (B cell maturation antigen), also known as TNFRSF17, is 20.2-kDa type III transmembrane glycoprotein and is a member of the TNF-receptor superfamily. This receptor is preferentially expressed in mature B lymphocytes and plasma cells, which may be important for B cell development and autoimmune response. BCMA has two agonist ligands: a proliferation-inducing ligand (APRIL) and BAFF. When BCMA binds to APRIL, it transmits signals of cell survival and proliferation; when BCMA binds to BAFF, it mediates the activation of NF-κappaB and MAPK8/JNK. It has been found that the overexpression and activation of BCMA are associated with multiple myeloma (MM) in preclinical models and humans, supporting its potential utility as a therapeutic target for MM.		
References	<ol style="list-style-type: none">1. Bo Yu et al (2020). J Hematol Oncol. Sep 17;13(1):125.2. C Madry et al (1998). Int Immunol. Nov;10(11):1693-702.3. Yu-Tzu Tai et al (2016). Blood. Jun 23;127(25):3225-36.4. Fabrice Jardin (2022). Biomedicines. Sep 1;10(9):2153.5. Nina Shah et al (2020). Leukemia. Apr;34(4):985-1005.		
Synonyms	BCMA/TNFRSF17, TNFRSF17, B-cell maturation protein, BCM, BCMA		

Selected Validation Data



Purity of Recombinant Human BCMA was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.



Immobilized Human BAFF (GST tag) at 1 μ g/mL (100 μ L/well) can bind Human BCMA (hFc tag) with a linear range of 2-8 ng/mL.