

TNFRSF17

Recombinant Human B-cell Maturation Protein

Catalog No.	CRB700-5	Quantity:	5 µg
	CRB700B		20 µg
	CRB700C		1.0 mg

Alternate Names: BCM, CD269

Description: B-cell Maturation Protein (BCMA), a member of the TNF receptor superfamily (TNFRSF17), binds to BAFF and APRIL. BCMA is expressed on mature B-cells and other B-cell lines and plays an important role in B-cell development, function and regulation. BCMA also has the capability to activate NF-kappaB and JNK. The Human BCMA gene codes for a 184 amino acid type I transmembrane protein, which contains a 54 amino acid extracellular domain, a 23 amino acid transmembrane domain, and a 107 amino acid extracellular domain. It has been shown to specifically bind to the Tumor Necrosis Factor (ligand) superfamily, member 13b (TNFSF13B/TALL-1/BAFF), and to lead to NF-kappaB and MAPK8/JNK activation. BCMA also binds to various TRAF family members, and thus may transduce signals for cell survival and proliferation

Recombinant Human BCMA is a single non-glycosylated polypeptide chain containing 50 amino acids.

GeneID: 608

Source: *E. coli*

Molecular Weight: 5.3 kDa

Formulation: Lyophilized from sterile filtered solution in 30% Acetonitrile + 0.1% TFA.

Purity: >98% by SDS-PAGE and HPLC.

Endotoxin Level: <1 EU/µg by LAL method

Amino Acid Sequence: AGQCSQNEYF DSSLHACIPC QLRCSSNTPP LTCQRYCNAS VTNSVKGTNA

Reconstitution: **Centrifuge vial briefly before opening.** Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at <-20°C. Further dilutions should be made in appropriate buffered solutions.

Storage & Stability: Stable at 2-8°C, but best kept desiccated at -20°C. After reconstitution, store in working aliquots below -20°C. **Avoid repeated freeze-thaw cycles.**

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