

## BCMA (TNFRSF17), Human recombinant

<b>CATALOG #:</b>	4521-20	20 µg
	4521-1000	1 mg
<b>LOT #:</b>	_____	
<b>SYNONYMS:</b>	BCMA, CD269, Tumor Necrosis Factor Receptor Superfamily Member 17, BCM, TNFRSF17, B-cell maturation protein, CD269 antigen	
<b>SOURCE:</b>	<i>E. coli</i>	
<b>PURITY:</b>	>98% by SDS-PAGE analyses Endotoxin level is <0.1 ng per µg of BCMA.	
<b>FORM:</b>	Lyophilized from a solution containing 20 mM PBS, pH-7.4, and 130 mM NaCl.	
<b>RECONSTITUTION:</b>	It is recommended to reconstitute the lyophilized BCMA in sterile dH <sub>2</sub> O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.	
<b>STORAGE CONDITIONS:</b>	The lyophilized protein is best-stored desiccated below 0°C. Reconstituted human BCMA should be stored in working aliquots at -20°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	

### DESCRIPTION:

BCMA, also named TNFRSF17, is a receptor for tnfsf13b/blys/baff and tnfsf13/april. TNFRSF17 promotes b-cell survival and plays a role in the regulation of humoral immunity. TNFRSF17 activates nf-kappa-b and jnk. TNFRSF17 is a member of the TNF-receptor superfamily. TNFRSF17 is expressed in mature B lymphocytes, and is involved in B cell development and autoimmune response. TNFRSF17 specifically binds to the tumor TNFSF13B/TALL-1/BAFF, which causes NF-kappaB and MAPK8/JNK activation. TNFRSF17 binds to a variety of TRAF family members, and therefore transduces signals for cell survival and proliferation. TNFRSF17 is a type III membrane protein having 1 extracellular cysteine rich domain. Within the TNFRSF, it shares the highest homology with TACI. BCMA and TACI have both been shown to bind to APRIL and BAFF, members of the TNF ligand superfamily. BCMA expression has been found in immune organs. TNFRSF17 appears to be localized to the Golgi compartment. The binding of BCMA to APRIL or BAFF has been shown to stimulate IgM production in peripheral blood B cells and increase the survival of cultured B cells. Recombinant human TNFRSF17 produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 50 amino acids and having a molecular mass of 5.3 kDa.

**USAGE:** *For Research Use Only! Not to be used in humans!*

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