

TNFRSF17/BCMA/CD269 (C-6His), Human, Recombinant

Cat. No. : PCK222

General Information

Synonyms	Tumor necrosis factor Receptor superfamily member 17;B-cell maturation Protein;CD269; TNFRSF17;BCM;BCMA [®]
Species	Human
Expression host	P.Pichia
Sequence	Met1-Ala54
Accession	Q02223
Mol mass	6.9 kDa
Expiration date	12 months
Bio activity	Immobilized Mouse APRIL-Fc at 1 µg/mL (100 µL/well) can bind Human BCMA-His. The ED50 of Human BCMA-His is 10.75 ng/mL.

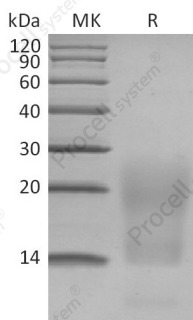
Product feature

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin (EU/µg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months.
Shipping	Ice bag
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in sterile water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

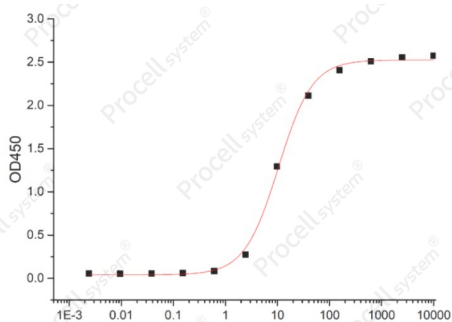
Background

B cell maturation antigen (BCMA) is a member of the TNF Receptor superfamily. It has been designated TNFRSF17. Human BCMA is a 184 amino acid (aa) Protein consisting of a 54aa extracellular domain, a 23aa transmembrane domain, and a 107aa intracellular domain. BCMA is a type III membrane Protein containing one 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 and mature B cell lines. Although some expression has been observed at the cell surface, BCMA 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. This data suggests that BCMA may play an important role in B cell development, function and regulation.

SDS-PAGE



Bio activity



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