

Product Name: Recombinant Mouse BCMA (C-Fc)
Catalog #: PHM1685

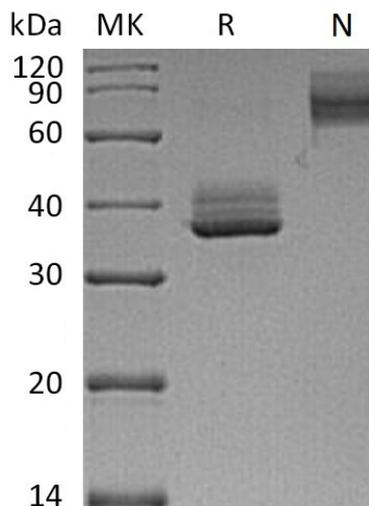


Summary

Name	BCMA/TNFRSF17/CD269/B cell maturation antigen
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Mouse Tumor Necrosis Factor Receptor Superfamily Member 17 is produced by our Mammalian expression system and the target gene encoding Met1-Thr49 is expressed with a human IgG1 Fc tag at the C-terminus.
Accession #	O88472
Host	Human Cells
Species	Mouse
Predicted Molecular Mass	32.1 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM Tris, 10% Trehalose, 2%Mannitol, 0.05% Tween 80, pH9.0.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Lyophilized protein should be stored at ≤ -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 ≤ -20°C for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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Alternative Names

Tumor necrosis factor receptor superfamily member 17; B-cell maturation protein; CD269; Tnfrsf17; Bcm; Bcma

Background

B cell maturation antigen (BCMA) is a member of the TNF receptor superfamily. It has been designated TNFRSF17. Mouse BCMA is a 185 amino acid (aa) protein consisting of a 49 aa extracellular domain, a 23 aa transmembrane domain, and a 113 aa 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.

Note

For Research Use Only , Not for Diagnostic Use.