

## BCMA/TNFRSF17 Protein, Human, Recombinant (His) V2

### General Information

Synonyms:	TNFRSF13A;BCMA;CD269;tumor necrosis factor receptor superfamily member 17;BCM
Protein Construction:	Met1-Ala54
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q02223-1
Molecular Weight:	7.51 kDa (Predicted); 13-23 kDa (Due to glycosylation)

### QC Testing

Biological Activity:	Immobilized Human BCMA, His Tag at 1 µg/ml (100 µl/well) on the plate. Dose response curve for Human BAFF, monomeric Fc Tag with the EC50 of 3.8 ng/ml determined by ELISA. (QC Test) Immobilized Human BCMA, His Tag at 1 µg/ml (100 µl/well) on the plate. Dose response curve for Biotinylated Human APRIL (Trimer), His Avi Tag with the EC50 of 16.5 ng/ml determined by ELISA. Immobilized Human BCMA, His Tag at 0.5 µg/ml (100 µl/well) on the plate. Dose response curve for Anti-BCMA Antibody, hFc Tag with the EC50 of 2.6 ng/ml determined by ELISA.
Purity:	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC
Endotoxin:	< 0.1 EU/µg of the protein as determined by the LAL method.
Formulation:	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).

### Preparation and Storage

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

B-cell maturation antigen (BCMA or BCM), also known as tumor necrosis factor receptor superfamily member 17 (TNFRSF17), is a protein that in humans is encoded by the TNFRSF17 gene. TNFRSF17 is a cell surface receptor of the TNF receptor superfamily which recognizes B-cell activating factor (BAFF).

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