



## Synonym

TNFRSF17,CD269,BCM,BCMA

## Source

Human BCMA Protein, Llama IgG2b Fc Tag(BCA-H5259) is expressed from human 293 cells (HEK293). It contains AA Met 1 - Ala 54 (Accession # [Q02223-1](#)).

Predicted N-terminus: Met 1

## Molecular Characterization

BCMA (Met 1 – Ala 54) Q02223-1	Llama Fc (Glu 1 – Ser 243) AAX73259.1
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This protein carries a llama IgG2b Fc tag at the C-terminus.

The protein has a calculated MW of 33.7 kDa. The protein migrates as 40-47 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

## Endotoxin

Less than 0.01 EU per µg by the LAL method.

## Purity

>90% as determined by SDS-PAGE.

## Formulation

Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, 150 mM NaCl, pH7.5 with trehalose as protectant.

Contact us for customized product form or formulation.

## Reconstitution

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

## Storage

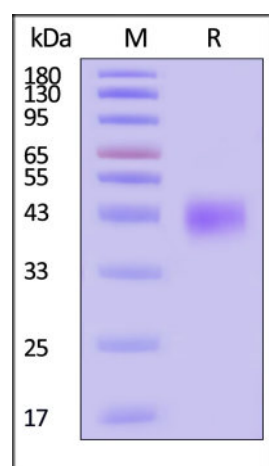
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

## SDS-PAGE

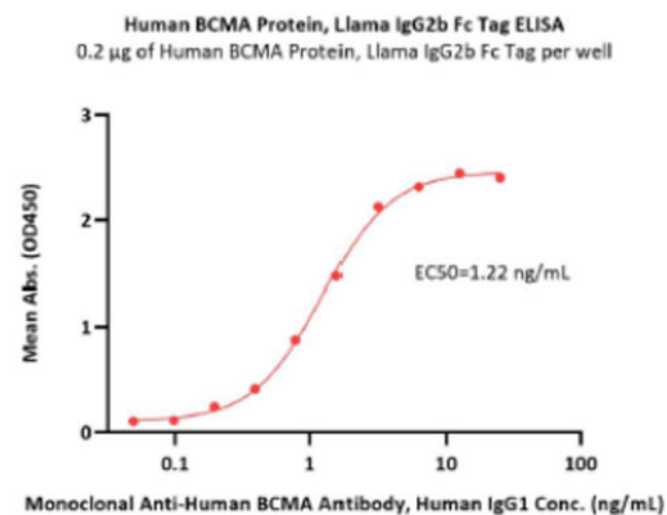
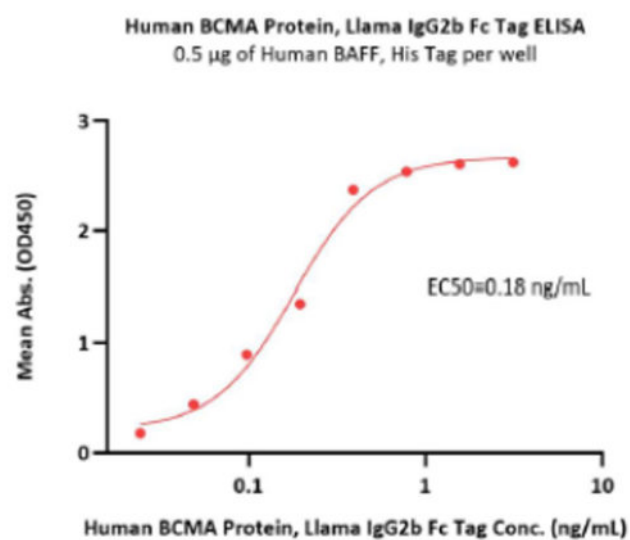


Human BCMA Protein, Llama IgG2b Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

## Bioactivity-ELISA

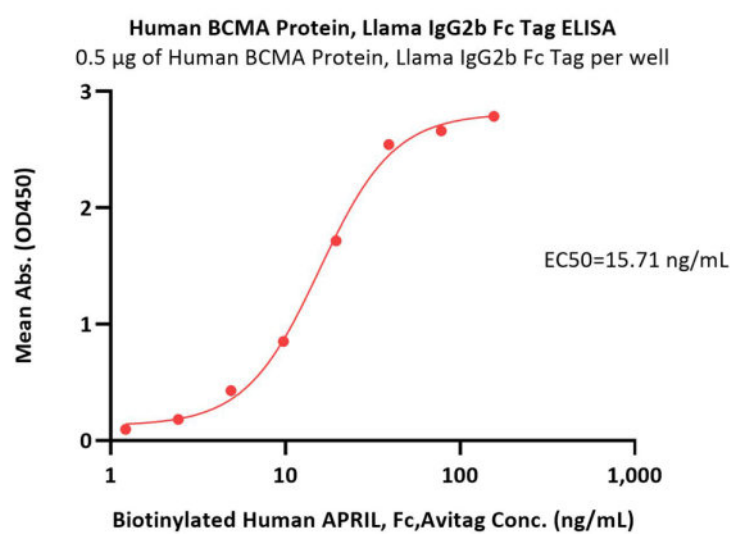
Discounts, Gifts,  
and more!





Immobilized Human BAFF, His Tag at 5 µg/mL (100 µL/well) can bind Human BCMA Protein, Llama IgG2b Fc Tag (Cat. No. BCA-H5259) with a linear range of 0.02-0.4 ng/mL (QC tested).

Immobilized Human BCMA Protein, Llama IgG2b Fc Tag (Cat. No. BCA-H5259) at 2 µg/mL (100 µL/well) can bind Anti-Human BCMA Mab with a linear range of 0.4-3 ng/mL (Routinely tested).



Immobilized Human BCMA Protein, Llama IgG2b Fc Tag (Cat. No. BCA-H5259) at 5 µg/mL (100 µL/well) can bind Biotinylated Human APRIL, Fc,Avitag (Cat. No. APL-H82F5) with a linear range of 1-20 ng/mL (Routinely tested).

## Background

Tumor necrosis factor receptor superfamily member 17 (TNFRSF17) is also known as B-cell maturation protein (BCMA), CD antigen CD269, which is a member of the TNF-receptor superfamily. TNFRSF17 contains one TNFR-Cys repeat. TNFRSF17 is expressed in mature B-cells, but not in T-cells or monocytes. TNFRSF17 is receptor for TNFSF13B/BLyS/BAFF and TNFSF13/APRIL. TNFRSF17 promotes B-cell survival and plays a role in the regulation of humoral immunity. TNFRSF17 can activate NF-kappa-B and JNK.

## Clinical and Translational Updates

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and more!

