



## Synonym

TNFRSF17,CD269,BCM,BCMA

## Source

Rat BCMA, His Tag(BCA-R52H3) is expressed from human 293 cells (HEK293). It contains AA Met 1 - Thr 49 (Accession # [D3ZKQ8-1](#)).

## Molecular Characterization

BCMA(Met 1 - Thr 49)  
D3ZKQ8-1 Poly-his

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 7.6 kDa. The protein migrates as 10-15 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

## Endotoxin

Less than 1.0 EU per µg by the LAL method.

## Purity

>90% as determined by SDS-PAGE.

## Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 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

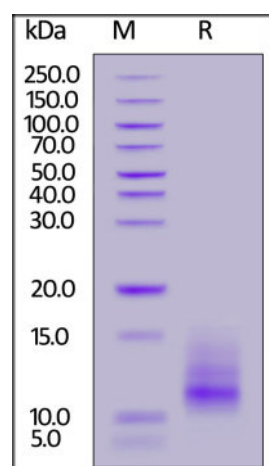
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*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

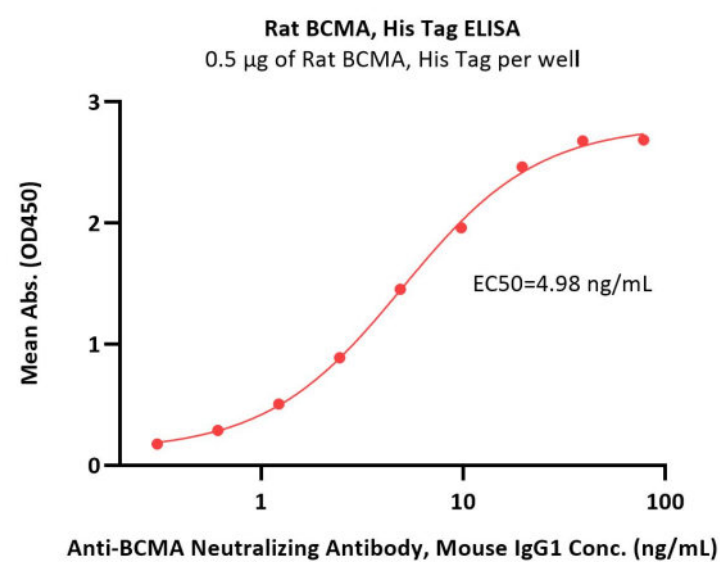
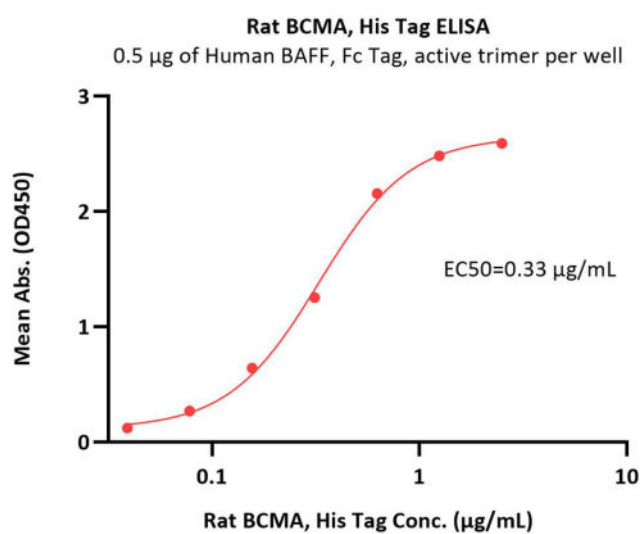


Rat BCMA, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%.

## Bioactivity-ELISA

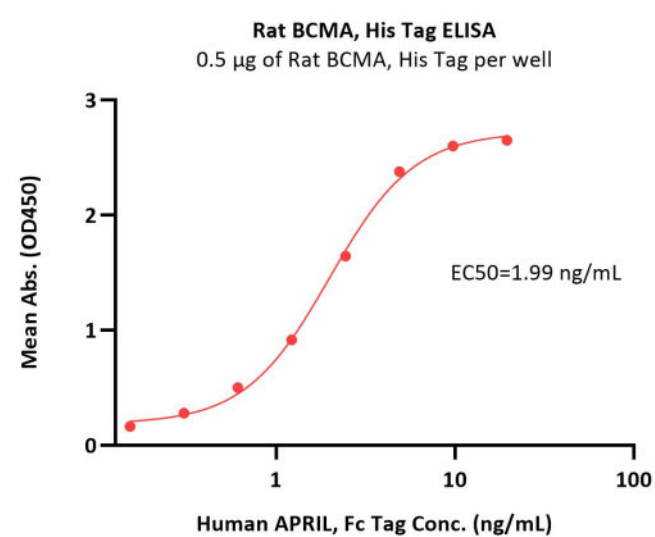
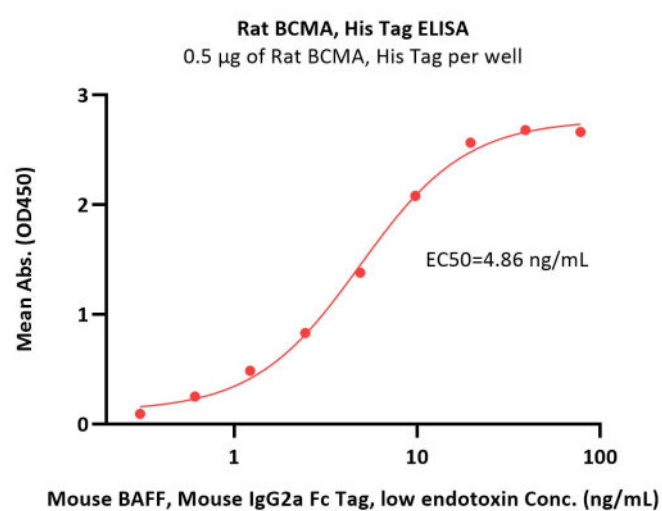
Discounts, Gifts,  
and more!





Immobilized Human BAFF, Fc Tag, active trimer (Cat. No. BAF-H5261) at 5 µg/mL (100 µL/well) can bind Rat BCMA, His Tag (Cat. No. BCA-R52H3) with a linear range of 0.039-0.625 µg/mL (QC tested).

Immobilized Rat BCMA, His Tag (Cat. No. BCA-R52H3) at 5 µg/mL (100 µL/well) can bind Anti-BCMA Neutralizing Antibody, Mouse IgG1 (Cat. No. BCA-M43) with a linear range of 0.2-5 ng/mL (Routinely tested).



Immobilized Rat BCMA, His Tag (Cat. No. BCA-R52H3) at 5 µg/mL (100 µL/well) can bind Mouse BAFF, Mouse IgG2a Fc Tag, low endotoxin (Cat. No. BAF-M5257) with a linear range of 0.2-10 ng/mL (Routinely tested).

Immobilized Rat BCMA, His Tag (Cat. No. BCA-R52H3) at 5 µg/mL (100 µL/well) can bind Human APRIL, Fc Tag with a linear range of 0.2-5 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

Discounts, Gifts,  
and more!

