



Synonym

TNFRSF17,CD269,BCM,BCMA

Source

Mouse BCMA, His Tag(BCA-M52H3) is expressed from human 293 cells (HEK293). It contains AA Met 1 - Thr 49 (Accession # [O88472-1](#)).

Molecular Characterization

BCMA(Met 1 - Thr 49)
O88472-1

Poly-his

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

The protein has a calculated MW of 7.5 kDa. The protein migrates as 13 kDa and 14 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method / rFC method.

Purity

>95% 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

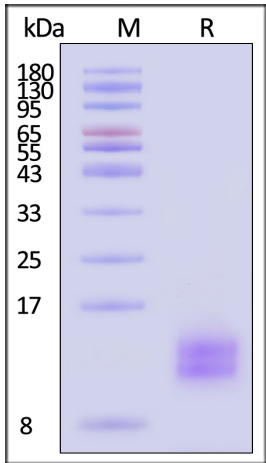
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

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.

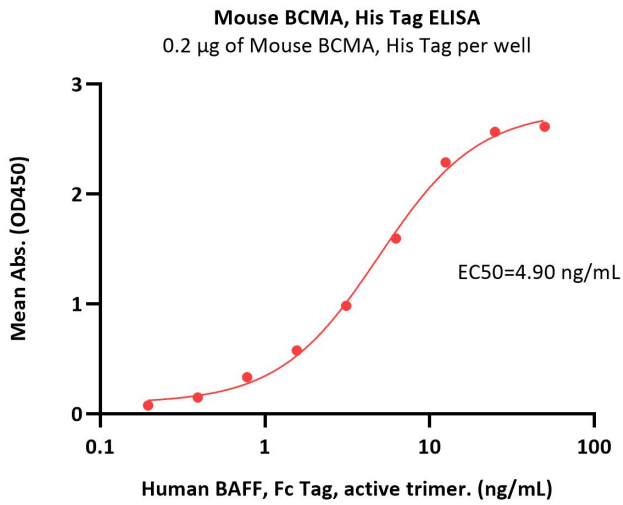
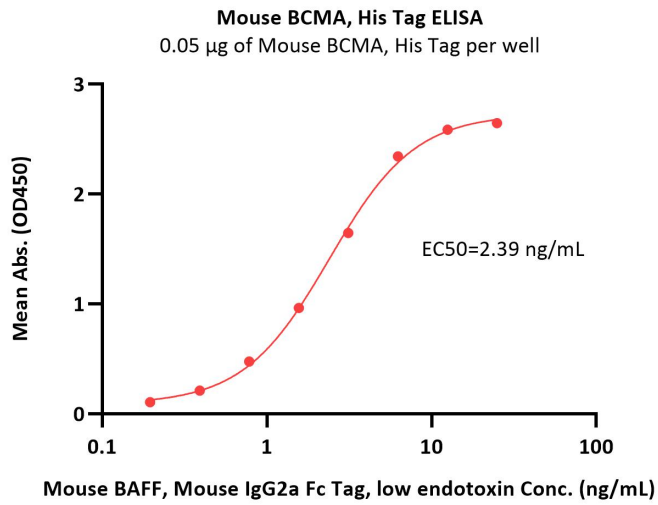
SDS-PAGE



Mouse 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 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

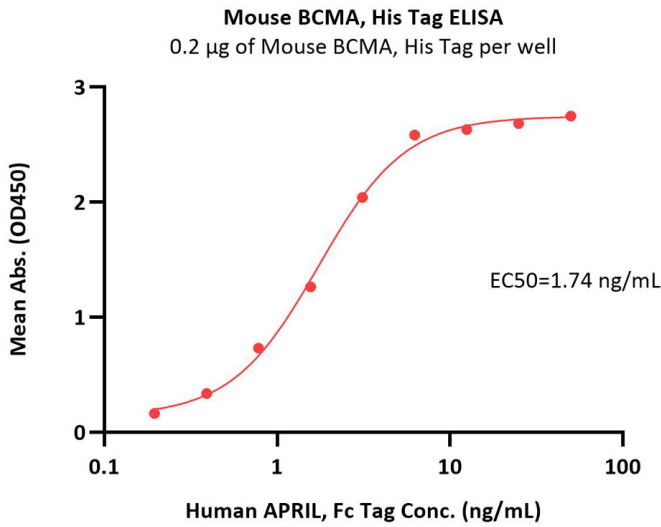
Bioactivity-ELISA





Immobilized Mouse BCMA, His Tag (Cat. No. BCA-M52H3) at 0.5 µg/mL (100 µL/well) can bind Mouse BAFF, Mouse IgG2a Fc Tag, low endotoxin (Cat. No. BAF-M5257) with a linear range of 0.2-3 ng/mL (QC tested).

Immobilized Mouse BCMA, His Tag (Cat. No. BCA-M52H3) at 2 µg/mL (100 µL/well) can bind Human BAFF, Fc Tag, active trimer (Cat. No. BAF-H5261) with a linear range of 0.2-6 ng/mL (Routinely tested).



Immobilized Mouse BCMA, His Tag (Cat. No. BCA-M52H3) at 2 µg/mL (100 µL/well) can bind Human APRIL, Fc Tag with a linear range of 0.1-3 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.

