

Recombinant Mouse TNFRSF17/BCMA/CD269 Protein

Catalog No.: RP02289 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	21935	O88472

Tags

C-His&Avi

Synonyms

CD269 antigen; CD269; TNFRSF17; B cell maturation antigen; B-cell maturation protein; BCMA; BCMA tumor necrosis factor receptor superfamily member 17; BCMB-cell maturation factor; tumor necrosis factor receptor superfamily member 17

Product Information

Source	Purification
HEK293 cells	> 95% by Tris-Bis PAGE;> 95% by SEC-HPLC

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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Background

Basic Information

Description

Recombinant Mouse BCMA Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Met1-Thr49) of Mouse BCMA fused with His tag and Avi tag at the C-terminal.

Bio-Activity

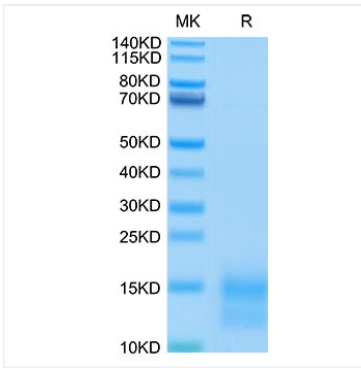
Storage

Store the lyophilized protein at -20°C to -80°C for long term.

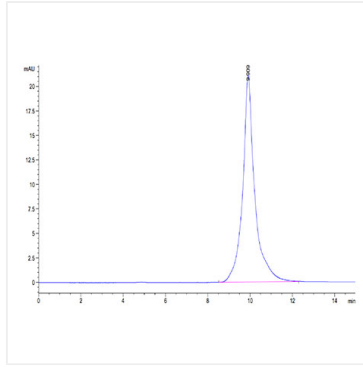
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

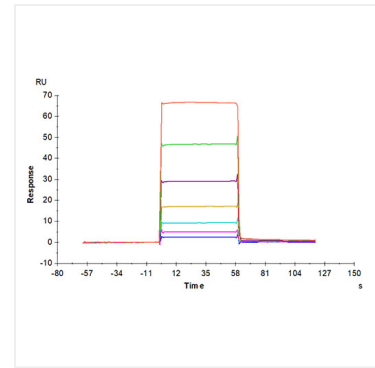
Validation Data



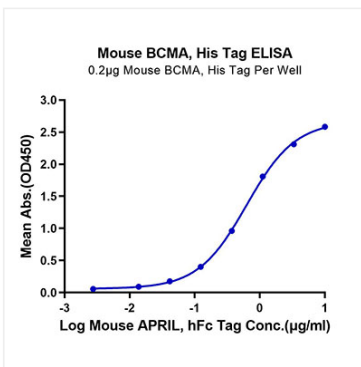
Mouse BCMA on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Mouse BCMA is greater than 95% as determined by SEC-HPLC.



Human BAFF, hFc Tag captured on CM5 Chip via Protein A can bind Mouse BCMA, His-Avi Tag with an affinity constant of $5.83 \mu\text{M}$ as determined in SPR assay (Biacore T200).



Immobilized Mouse BCMA, His Tag at $2 \mu\text{g/ml}$ ($100 \mu\text{l/well}$) on the plate. Dose response curve for Mouse APRIL, hFc Tag with the EC_{50} of $0.63 \mu\text{g/ml}$ determined by ELISA.