

Recombinant Human TNFRSF17/BCMA/CD269 Protein

Catalog No.: RP00155 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	608	Q02223

Tags

C-hFc&His

Synonyms

TNFRSF17;BCM;BCMA;CD269;TNFRSF13
A

Product Information

Source	Purification
HEK293 cells	> 92% by SDS- PAGE.

Endotoxin

< 0.1 EU/μg of the protein by LAL
method.

Formulation

Lyophilized from a 0.22 μm filtered
solution of PBS, pH 7.4. Contact us for
customized product form or
formulation.

Reconstitution

Centrifuge the vial 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.

Background

Tumor necrosis factor receptor superfamily, member 17 (TNFRSF17), also known as B cell maturation antigen (BCMA) or CD269 antigen, is a member of the TNF-receptor superfamily. This receptor is preferentially expressed in mature B lymphocytes, and may be important for B cell development and autoimmune response. This receptor has been shown to specifically bind to the tumor necrosis factor (ligand) superfamily, member 13b (TNFSF13B/TALL-1/BAFF), and to lead to NF-κB and MAPK8/JNK activation. This receptor also binds to various TRAF family members, and thus may transduce signals for cell survival and proliferation.

Basic Information

Description

Recombinant Human TNFRSF17/BCMA/CD269 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Ala54) of human TNFRSF17/BCMA/CD269 (Accession #NP_001183.2) fused with an Fc, 6×His tag at the C-terminus.

Bio-Activity

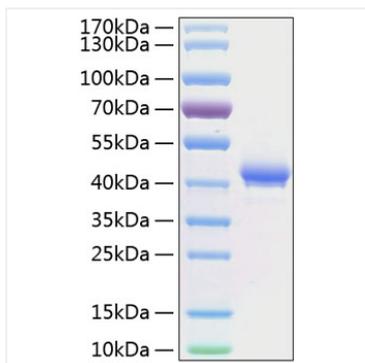
1. Measured by its binding ability in a functional ELISA. Immobilized recombinant human BAFF at 5 μg/mL (100 μL/well) can bind recombinant human TNFRSF17 with a linear range of 3-20 ng/mL. 2. Loaded Human TNFRSF17/BCMA/CD269 Protein, C-hFc&His (Catalog: RP00155) on ProA Biosensor, can bind Human TNFSF13B/BAFF/CD257 Protein, no Tag (Catalog: RP00018) with an affinity constant of 2.62 nM as determined in BLI assay (Gator).

Storage

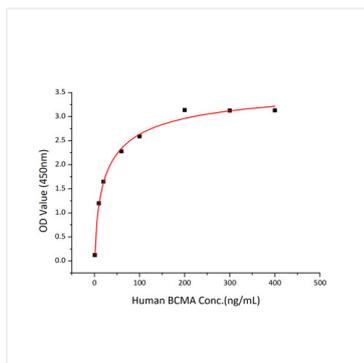
Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.
Avoid repeated freeze/thaw cycles.

Contact

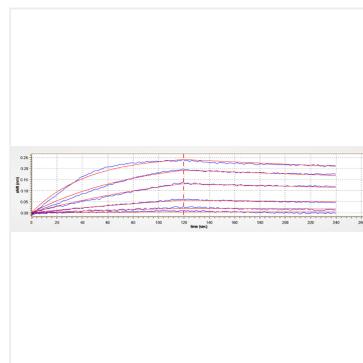
Validation Data



Recombinant Human TNFRSF17/BCMA/CD269 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 35-45 kDa.



Immobilized recombinant human BAFF at 5 $\mu\text{g/mL}$ (100 $\mu\text{L/well}$) can bind recombinant human TNFRSF17 with a linear range of 3-20 ng/mL.



Loaded Human TNFRSF17/BCMA/CD269 Protein, C-hFc&His (Catalog: RP00155) on ProA Biosensor, can bind Human TNFRSF13B/BAFF/CD257 Protein, no Tag (Catalog: RP00018) with an affinity constant of 2.62 nM as determined in BLI assay (Gator).