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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;TNFRSF13A

Product Information

Source	Purification
HEK293 cells	≥ 90 % as determined by SDS-PAGE.

Calculated MW	Observed MW
32.69 kDa	40-50 kDa

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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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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-kappaB 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.

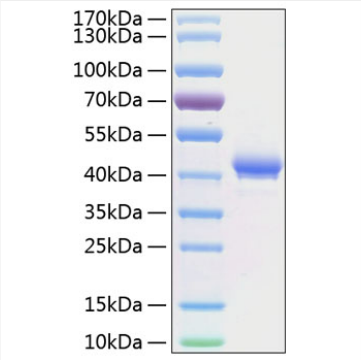
Bio-Activity
1.Measured by its binding ability in a functional ELISA. Immobilized recombinant human BAFF at 5 μg/mL (100 μL/well) can bind recombinant human TNFRSF17 with a linear range of 3-20 ng/mL.|2.Loaded Human TNFRSF17/BCMA/CD269 Protein, C-hFc&His (Catalog: RP00155) on ProA Biosensor, can bind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

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

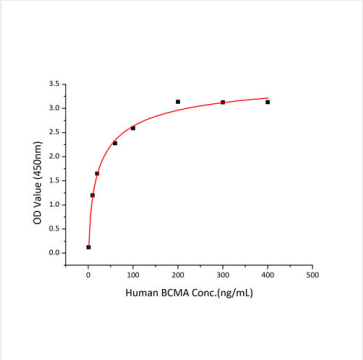
Storage
Store at -20℃
Avoid repeated freeze/thaw cycles.

Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

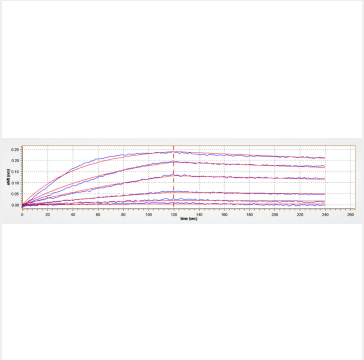
Validation Data



Recombinant Human TNFRSF17/BCMA/CD269 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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.



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).