

RP00155

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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 | > 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.

## Contact



[www.abclonal.com](http://www.abclonal.com)

## 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, 6xHis tag at the C-terminus.

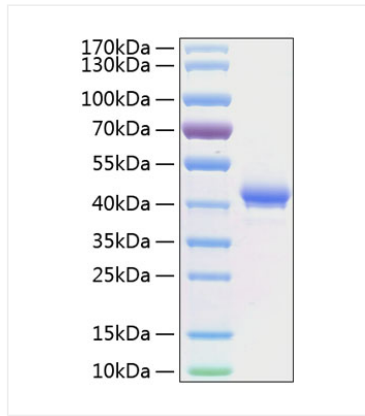
### Bio-Activity

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).

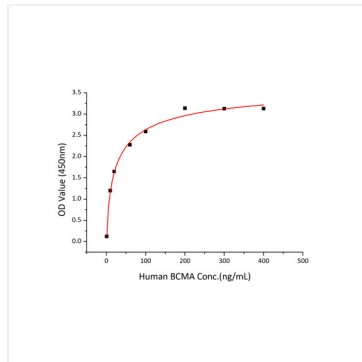
### Storage

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.

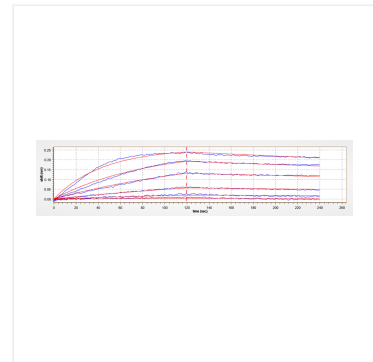
## Validation Data



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  $\mu$ g/mL (100  $\mu$ 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).