

Recombinant Rat TNFRSF17/BCMA/CD269 Protein

Catalog No.: RP01922 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Rat	287034	D3ZKQ8

Tags

N-hFc

Synonyms

Tnfrsf17; TNF receptor superfamily member 17

Product Information

Source	Purification
HEK293 cells	> 98% by SDS-PAGE.

Calculated MW	Observed MW
31.52 kDa	35-40 kDa

Endotoxin

< 0.1EU/μg of the protein by LAL method

Formulation

Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

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

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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 (TNFSF13BBAFF), and to lead to NF kappaB and MAPK8/JNK activation. TNFRSF17/BCMA/CD269 also binds to various TRAF family members, and thus may transduce signals for cell survival and proliferation. TNFRSF17/BCMA/CD269 is a receptor for TALL-1 and BCMA activates NF-kappaB through a TRAF5-, TRAF6-, NIK-, and IKK-dependent pathway. The identification of TNFRSF17 as a NF-kappaB-activating receptor for TALL-1 suggests molecular targets for drug development against certain immunodeficient or autoimmune diseases. TNFRSF17/BCMA is a target of donor B-cell immunity in patients with myeloma who respond to DLI. Antibody responses to cell-surface BCMA may contribute directly to tumor rejection in vivo.

Basic Information

Description

Recombinant Recombinant Rat TNFRSF17/BCMA/CD269 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Thr49) of Rat TNFRSF17/BCMA/CD269 (Accession #NP_001099231.1) fused with a hFc tag at the N-terminus.

Bio-Activity

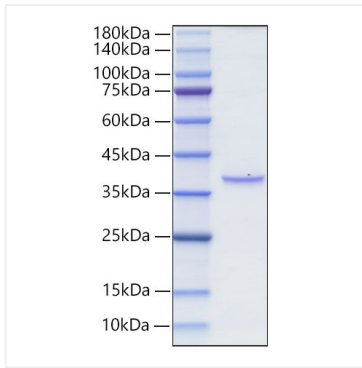
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

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