

Recombinant Rat TNFRSF17/BCMA/CD269 Protein

Catalog No.: RP01922

Sequence Information

Species **Gene ID**
Rat 287034

Swiss Prot **Tags**
D3ZKQ8 N-hFc

Synonyms

Tnfrsf17, TNF receptor superfamily member 17

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as
 determined by
 SDS-PAGE.

Calculated MW **Observed MW**
31.52 kDa 35–40 kDa

Endotoxin

< 0.1 EU/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.

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.

Activity

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°C

Operational Notes

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

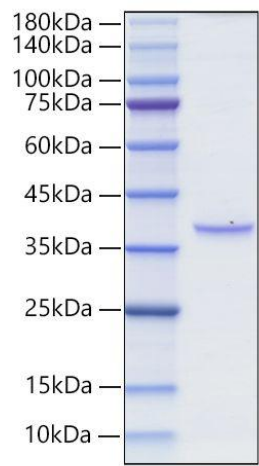
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Validation Data



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