

Recombinant Mouse TNFRSF17/BCMA Protein (His & Fc Tag)



Catalog Number: PKSM040938

Note: Centrifuge before opening to ensure complete recovery of vial contents.

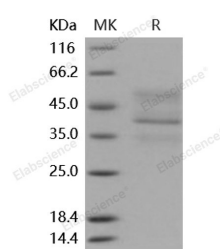
Description

Synonyms	Tumor necrosis factor receptor superfamily member 17; B-cell maturation protein; CD269; Tnfrsf17; BCM; BCMA; Tnfrsf13; Tnfrsf13a
Species	Mouse
Expression Host	HEK293 Cells
Sequence	Met 1-Thr 49
Accession	NP_035738.1
Calculated Molecular Weight	33.7 kDa
Observed molecular weight	35-48 kDa
Tag	C-His-Fc
Bioactivity	Immobilized human BAFF at 10 µg/ml (100 µl/well) can bind mouse BCMA-Fch, The EC50 of mouse BCMA-Fch is 0.02-0.06 µg/mL.

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 90 % as determined by reducing SDS-PAGE.

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/BAFF), and to lead to NF-κB and MAPK8/JNK activation. TNFRSF17/BCMA/CD269 also binds to various TRAF family members, and thus

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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.

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