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

Catalog Number: PKSM040938

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

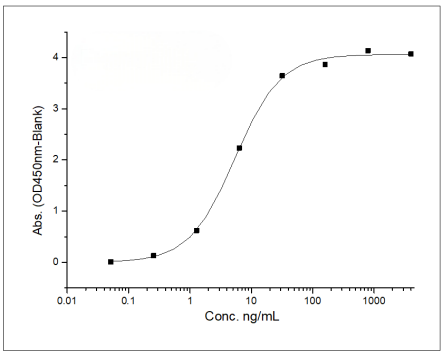
Description

Species	Mouse
Source	HEK293 Cells-derived Mouse TNFRSF17/BCMA protein Met 1-Thr 49, with an C-terminal His & Fc
Calculated MW	33.7 kDa
Observed MW	35-48 kDa
Accession	NP_035738.1
Bio-activity	Immobilized human BAFF at 10 μg/ml (100 μl/well) can bind mouse BCMA-Fch, The EC_{50} of mouse BCMA-Fch is 0.02-0.06 μg/mL.

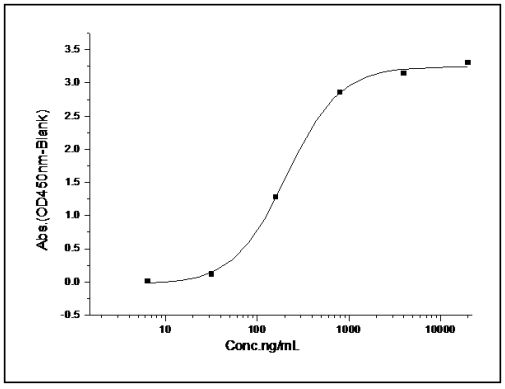
Properties

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% Tween 80 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



Mouse BCMA Protein 40579,Immobilized Anti-BCMA Antibody, Human IgG1 at 2 μg/mL (100 μL/well) can bind Recombinant Mouse TNFRSF17 / BCMA Protein (His &Fc Tag) (Cat: PKSM040938), the EC_{50} is 3-10 ng/mL.



Measured by its binding ability in a functional ELISA. Immobilized human BAFF (Cat: PKSH031908) at 10 μg/ml (100 μl/well) can bind mouse BCMA-Fch, The EC_{50} of mouse BCMA-Fch is 0.02-0.06 μg/mL.

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.

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