

Recombinant Mouse TNFRSF13C/BAFFR/CD268 Protein

Catalog No.: RP01493 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	72049	Q9D8D0

Tags

C-hFc&Avi

Synonyms

Bcmd;Baffr;Bcmd1;BAFF-R;Bcmd-1;Lvis22;TNFRSF13C

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Calculated MW	Observed MW
34.47 kDa	40-45 kDa

Endotoxin

<0.1EU/μg

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

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 13C (TNFRSF13C) also known as B-cell-activating factor receptor (BAFFR) and CD268 antigen, is a member of the tumor necrosis factor receptor superfamily. A tumor necrosis factor receptor (TNFR), or death receptor, is a trimeric cytokine receptor that binds tumor necrosis factors (TNF). The receptor cooperates with an adaptor protein which is important in determining the outcome of the response. Members of the TNF receptor superfamily (TNFRSF) have crucial roles in both innate and adaptive immunity and in cellular apoptosis process. Apoptosis is a cell suicide mechanism that enables metazoans to control cell number in tissues and to eliminate individual cells that threaten the animal's survival. Certain cells have unique sensors, termed death receptors or tumour necrosis factor (TNFR), on their surface. Tumour necrosis factors (TNFR) detect the presence of extracellular death signals and, in response, they rapidly ignite the cell's intrinsic apoptosis machinery. It has been proposed that abnormally high levels of BAFFR/TNFRSF13C (CD268) may contribute to the pathogenesis of autoimmune diseases by enhancing the survival of autoreactive B cells.

Basic Information

Description

Recombinant Mouse TNFRSF13C/BAFFR/CD268 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser10-Ala71) of mouse BAFFR/TNFRSF13C (Accession #NP_082351.1) fused with a Fc, Avi tag at the C-terminus.


Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Human TNFSF13B (Catalog: RP00018) at 2 μg/mL (100 μL/well) can bind Mouse TNFRSF13C (Catalog: RP01493) with a linear range of 0.001-5.3 ng/mL.

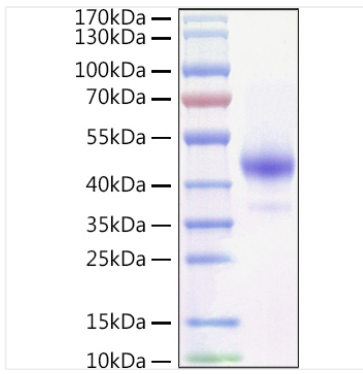
Storage

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.

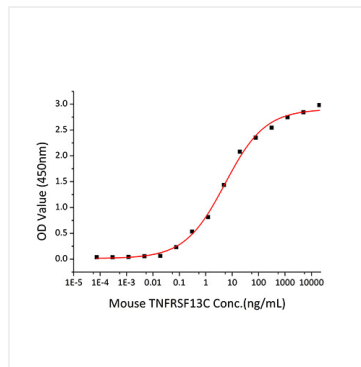
Contact

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Validation Data



Recombinant Mouse TNFRSF13C/BAFFR/CD268 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 40-45kDa.



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