

Recombinant Mouse TNFRSF13C/BAFFR/CD268 Protein

Catalog No.: RP01493

Sequence Information

Species	Gene ID
Mouse	72049
Swiss Prot	Tags
Q9D8D0	C-hFc&Avi

Synonyms

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

Product Information

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

Calculated MW Observed MW

34.47 kDa 40–45 kDa

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

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.

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.

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.

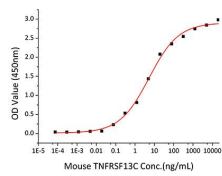
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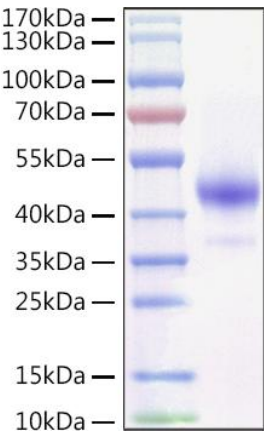
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Validation Data



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.



Recombinant Mouse TNFRSF13C/BAFFR/CD268 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.