

Active Recombinant Mouse Tnfrsf13c protein, Fc & Avi-tagged, Biotinylated

Cat. No. Tnfrsf13c-1820M **Lot. No.** (See product label)

SPECIFICATION

Product Overview Biotinylated Mouse BAFFR /TNFRSF13C, Fc Tag, Avi Tag is expressed from human 293 cells (HEK293). It contains AA Ser 10 - Ala 71 (Accession # NP_082351).
 Biotinylation of this product is performed using Avitag technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin. The biotin to protein ratio is 0.5-1 as determined by the HABA assay.

Species Mouse

Source HEK293

ProteinLength AA Ser 10 - Ala 71

Description BAFF receptor (B-cell activating factor receptor, BAFF-R), also known as tumor necrosis factor receptor superfamily member 13C (TNFRSF13C), is a membrane protein of the TNF receptor superfamily which recognizes BAFF. B-cell activating factor (BAFF) enhances B-cell survival in vitro and is a regulator of the peripheral B-cell population. Overexpression of BAFF in mice results in mature B-cell hyperplasia and symptoms of systemic lupus erythematosus (SLE). Also, some SLE patients have increased levels of BAFF in serum. Therefore, it has been proposed that abnormally high levels of BAFF may contribute to the pathogenesis of autoimmune diseases by enhancing the survival of autoreactive B cells.

Predicted N Terminal Ser 10

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Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5, 10% trehalose.
Bio-activity	Immobilized Human BAFF, Fc Tag at 5 µg/mL (100 µL/well) can bind Biotinylated Mouse BAFFR, Fc Tag with a linear range of 0.5-8 ng/mL.
Molecular Mass	This protein carries a human IgG1 Fc tag at the C-terminus, followed by an Avi tag. The protein has a calculated MW of 35.1 kDa. As a result of glycosylation, the protein migrates as 45-60 kDa under reducing (R) condition, and 90-116 kDa under non-reducing (NR) condition (SDS-PAGE).
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. No activity loss is observed after storage at: 4-8°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
Conjugation	Biotin

GENE INFORMATION

Gene Name	Tnfrsf13c tumor necrosis factor receptor superfamily, member 13c [Mus musculus (house mouse)]
Official Symbol	Tnfrsf13c

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Synonyms Bcmd; Baffr; Bcmd1; BAFF-R; Bcmd-1; Lvis22; 2010006P15Rik; B-cell maturation defect 1; B-cell-activating factor receptor; BAFF receptor; BLYS receptor 3; b cell-activating factor receptor

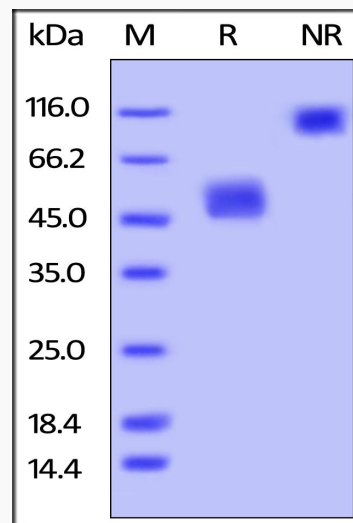
Gene ID 72049

mRNA Refseq NM_028075.2

Protein Refseq NP_082351.1

UniProt ID Q9D8D0

SDS-PAGE



Biotinylated Mouse BAFFR /TNFRSF13C, Fc Tag, Avi Tag on SDS-PAGE under reducing (R) and no-reducing (NR) conditions. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

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