

Recombinant Mouse Tnfrsf13c protein, Fc-tagged

Cat. No. Tnfrsf13c-573M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Tnfrsf13c (Ser10-Ala71) protein was fused to human IgG1 Fc tag at C-terminus and expressed in human 293 cells (HEK293).
Species	Mouse
Source	HEK293
ProteinLength	Ser10-Ala71
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	Ser10
Form	Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 33.3 kDa. As a result of glycosylation, the protein

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	migrates as 40-45 kDa under reducing (R) condition, and 80-100 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 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade 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.

GENE INFORMATION

Gene Name	Tnfrsf13c
Official Symbol	Tnfrsf13c
Synonyms	TNFRSF13C; tumor necrosis factor receptor superfamily, member 13c; tumor necrosis factor receptor superfamily member 13C; BAFF receptor; BLyS receptor 3; B-cell maturation defect 1; B-cell-activating factor receptor; b cell-activating factor receptor; Bcmd; Baffr; Bcmd1; BAFF-R; Bcmd-1; Lvis22; 2010006P15Rik; MGC123890; MGC123891
Gene ID	72049

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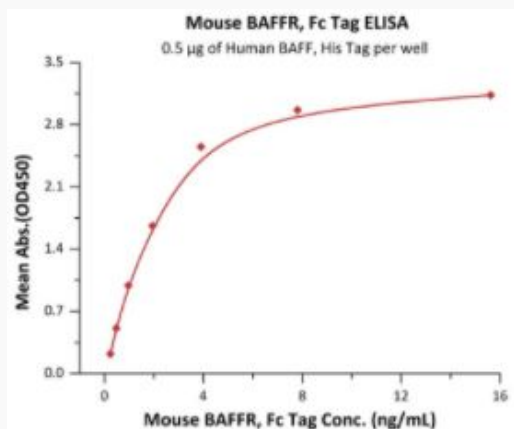
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mRNA Refseq [NM_028075](#)

Protein Refseq [NP_082351](#)

UniProt ID [Q9D8D0](#)

**Bioactivity-ELISA of
Tnfrsf13c-573M**



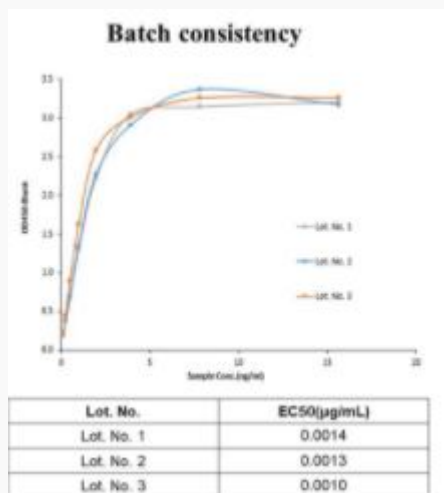
Immobilized Human BAFF, His Tag at 5 µg/mL (100 µL/well) can bind Mouse BAFFR, Fc Tag with a linear range of 0.2-4 ng/mL (QC tested).

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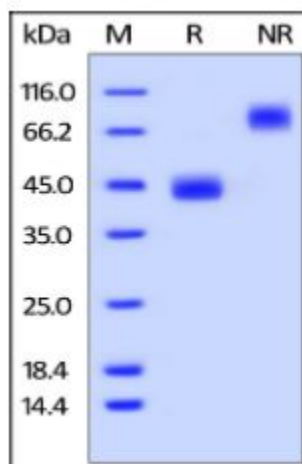
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Bioactivity-ELISA



Batch consistency of Bioactivity-ELISA

SDS-PAGE of Tnfrsf13c-573M



Mouse BAFFR, Fc Tag on SDS-PAGE under reducing (R) and non-reducing (NR) conditions. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

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