



Synonym

BAFFR, TNFRSF13C, BROMIX, CD268, CVID4, prolixin, BAFF-R

Source

Human BAFFR, Fc Tag (BAR-H5257) is expressed from human 293 cells (HEK293). It contains AA Ser 7 - Ala 71 (Accession # [Q96RJ3-1](#)).

Predicted N-terminus: Ser 7

Molecular Characterization

BAFFR(Ser 7 - Ala 71) Q96RJ3-1	Fc(Pro 100 - Lys 330) P01857
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This protein carries a human IgG1 Fc tag at the C-terminus.

The protein has a calculated MW of 33.2 kDa. The protein migrates as 40-50 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>95% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in

Tris with Glycine, Arginine and NaCl, pH7.5 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

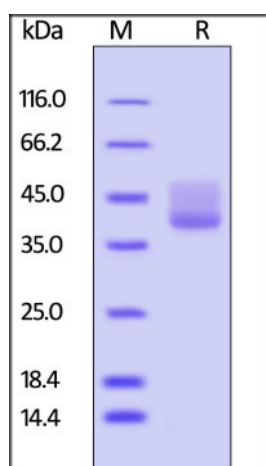
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE

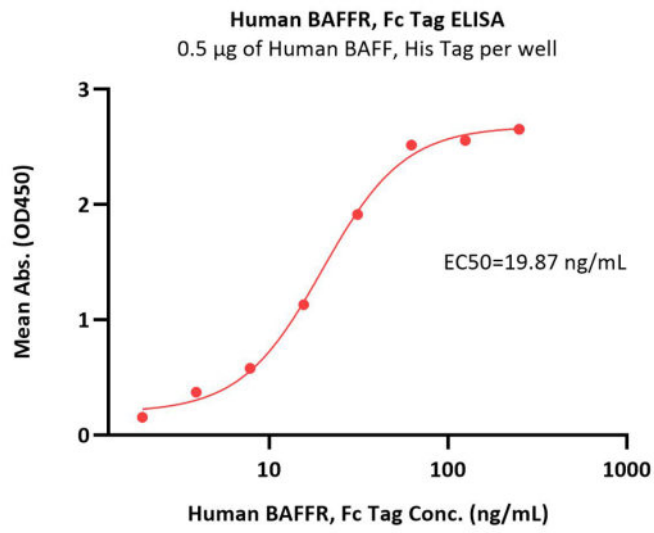


Human BAFFR, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

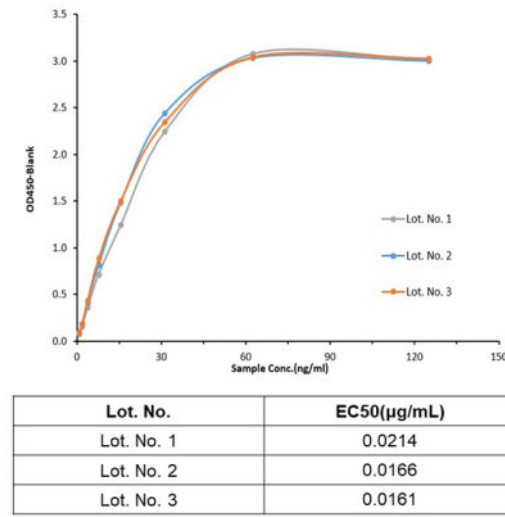
Bioactivity-ELISA

Discounts, Gifts,
and more!

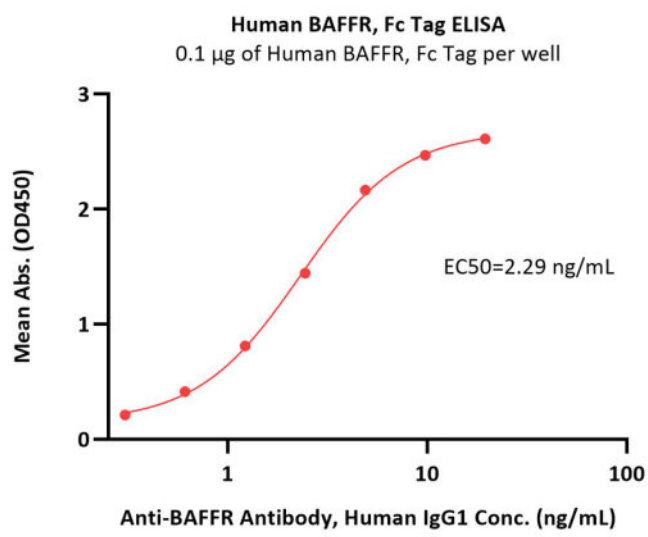




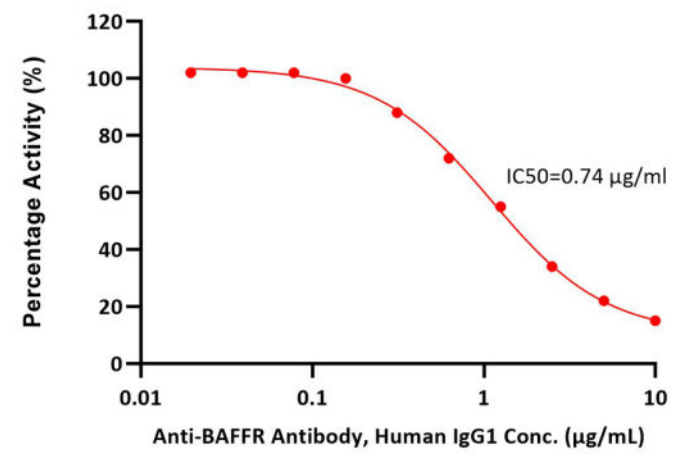
Batch consistency



Immobilized Human BAFF, His Tag at 5 µg/mL (100 µL/well) can bind Human BAFFR, Fc Tag (Cat. No. BAR-H5257) with a linear range of 2-31 ng/mL (QC tested).



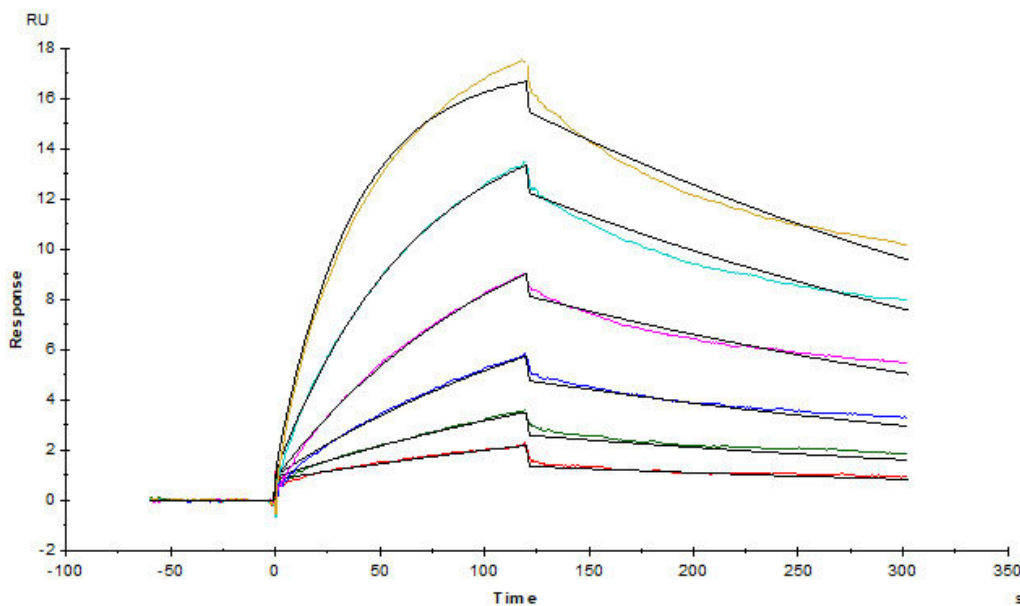
Inhibition of Biotinylated Human BAFF, His,Avitag (active trimer) ELISA
0.1 µg of Human BAFFR, Fc Tag per well



Immobilized Human BAFFR, Fc Tag (Cat. No. BAR-H5257) at 1 µg/mL (100 µL/well) can bind Anti-BAFFR Antibody, Human IgG1 with a linear range of 0.2-5 ng/mL (QC tested).

Serial dilutions of Anti-BAFFR Antibody, Human IgG1 were added into Human BAFFR, Fc Tag (Cat. No. BAR-H5257): Biotinylated Human BAFF, His,Avitag (active trimer) (MALS verified) (Cat. No. BAF-H82Q2) binding reactions. The half maximal inhibitory concentration (IC50) is 0.7363 µg/mL (Routinely tested).

Bioactivity-SPR



Immobilized Biotinylated Human BAFF, Avitag, Fc Tag (active trimer) (MALS verified) (Cat. No. BAF-H82F3) on SA Chip can bind Human BAFFR, Fc Tag

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and more!



Human BAFFR / TNFRSF13C Protein, Fc Tag

Catalog # BAR-H5257



BIOSYSTEMS
Acro

(Cat. No. BAR-H5257) with an affinity constant of 26.7 nM as determined in a SPR assay (Biacore T200) (Routinely tested).

Background

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.

Clinical and Translational Updates

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