

Synonym

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

Source

Mouse BAFFR, Fc Tag(BAR-M5259) is expressed from human 293 cells (HEK293). It contains AA Ser 10 - Ala 71 (Accession # [NP_082351.1](#)).

Predicted N-terminus: Ser 10

Molecular Characterization

BAFFR(Ser 10 - Ala 71) NP_082351.1	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 33.3 kDa. The protein migrates as 40-45 kDa under reducing (R) condition, and 80-100 kDa under non-reducing (NR) 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.

>95% as determined by SEC-HPLC.

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

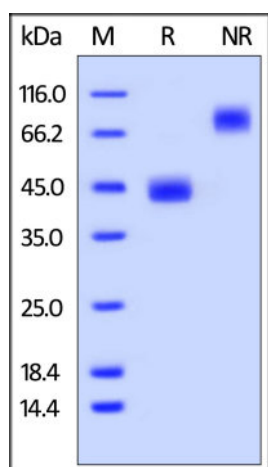
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

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.

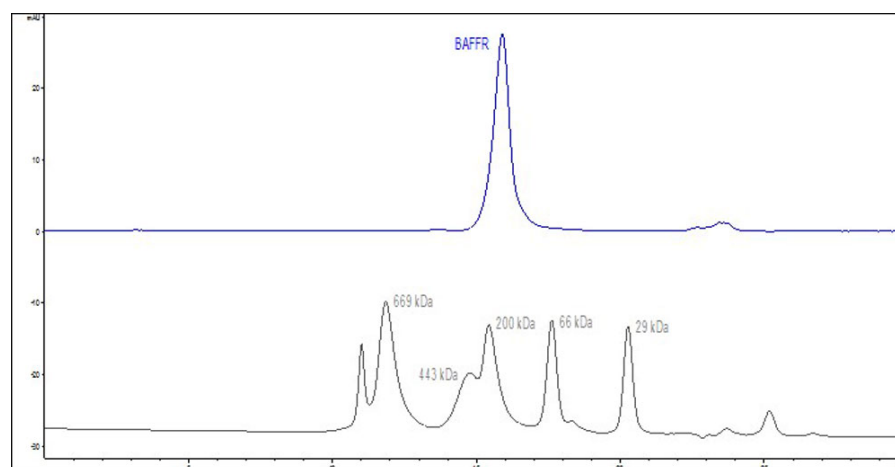
SDS-PAGE



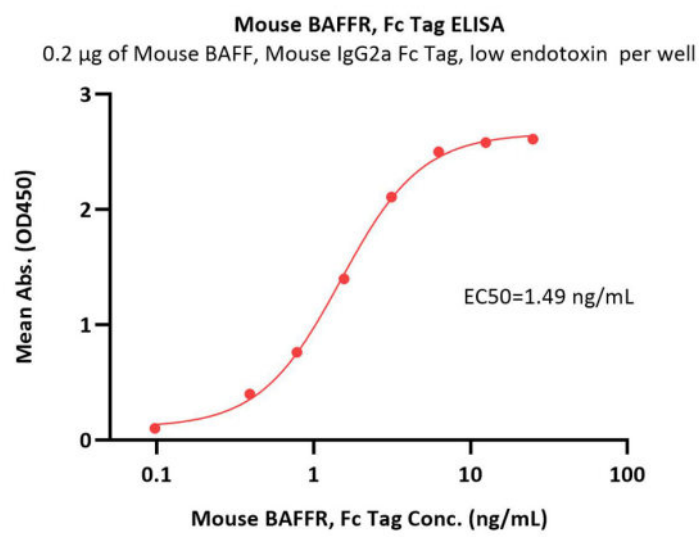
Mouse BAFFR, Fc Tag on SDS-PAGE under reducing (R) and non-reducing (NR) conditions. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

Bioactivity-ELISA

SEC-HPLC



The purity of Mouse BAFFR, Fc Tag (Cat. No. BAR-M5259) was greater than 95% as determined by SEC-HPLC.



Immobilized Mouse BAFF, Mouse IgG2a Fc Tag, low endotoxin (Cat. No. BAF-M5257) at 2 µg/mL (100 µL/well) can bind Mouse BAFFR, Fc Tag (Cat. No. BAR-M5259) with a linear range of 0.4-3 ng/mL (QC 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

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.