

Synonym

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

SourceRat BAFFR, His Tag(BAR-R52H3) is expressed from human 293 cells (HEK293). It contains AA Ser 10 - Asp 69 (Accession # [D4A281-1](#)).**Molecular Characterization**

| | |
|------------------------------------|----------|
| BAFFR(Ser 10 - Asp 69) D4A281-1 | Poly-his |
|------------------------------------|----------|

This protein carries a polyhistidine tag at the C-terminus

The protein has a calculated MW of 8.7 kDa. The protein migrates as 16-30 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>90% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

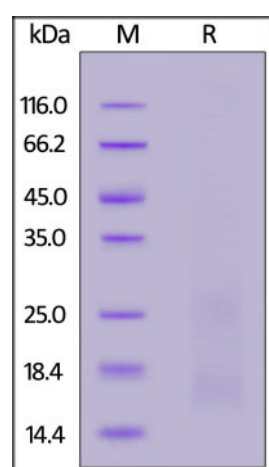
*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.***Storage**

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

Please avoid repeated freeze-thaw cycles.

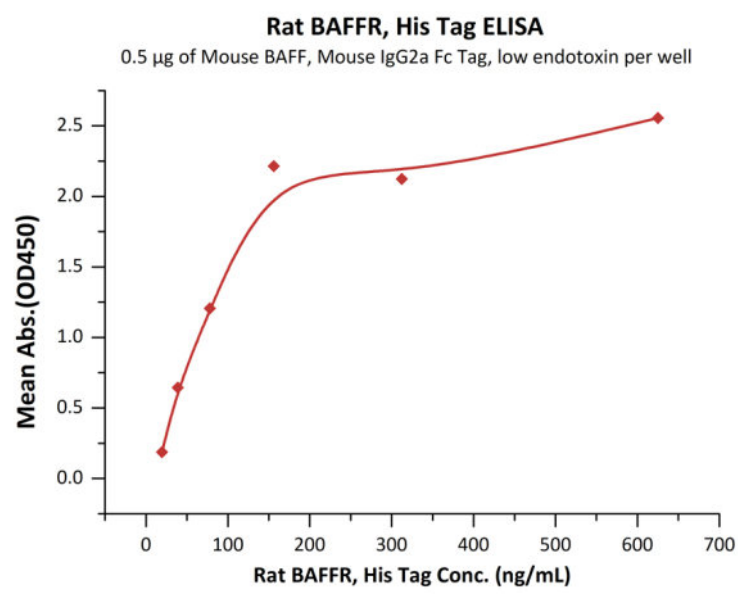
This product is stable after storage at:

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

SDS-PAGE

Rat BAFFR, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

Bioactivity-ELISA



Immobilized Mouse BAFF Protein, Mouse IgG2a Fc Tag (Cat. No. BAF-M5257) at 5 µg/mL (100 µL/well) can bind Rat BAFFR, His Tag (Cat. No. BAR-R52H3) with a linear range of 0.001-0.078 µg/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.