Formulation & Reconstitution



## **PRODUCT INFORMATION**

**Target** BAFF-R

**Synonyms** BAFFR;TNFRSF13C;BAFF-R;BROMIX;CD268;CVID4;prolixin

Recombinant Human BAFF-R protein with C-terminal **Description** human Fc

**Delivery** In Stock Q96RI3 **Uniprot ID Expression Host HEK293** 

C-Human Fc Tag

Molecular BAFF-R(Ser7-Ala71) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of 32.7 kDa

after removal of the signal peptide. The apparent molecular mass of BAFF-R-hFc is approximately 35-55 **Molecular Weight** 

kDa due to glycosylation.

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining. **Purity** 

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions

of reconstitution.

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated Storage & Shipping

freezing and thawing). Lyophilized proteins are shipped

at ambient temperature.

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. The

**Background** by enhancing the survival of autoreactive B cells. The protein encoded by this gene is a receptor for BAFF and is a type III transmembrane protein containing a single extracellular cysteine-rich domain. It is thought that this receptor is the principal receptor required for BAFF-mediated mature B-cell survival.

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Usage Research use only Conjugate Unconjugated





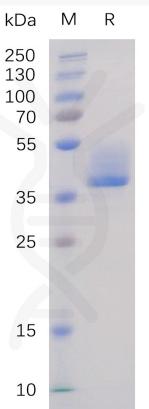


Figure 1. Human BAFF-R Protein, hFc Tag on SDS-PAGE under reducing condition.

## Human BAFF-R, hFc tagged protein ELISA

0.1 μg of Human BAFF-R, hFc tagged protein per well

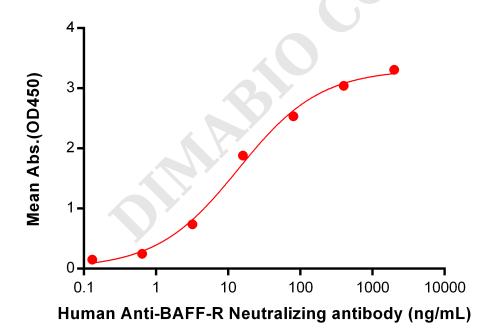


Figure 2. ELISA plate pre-coated by 2  $\mu$ g/ml (100  $\mu$ l/well) Human BAFFR, hFc tagged protein (PME100503) can bind Anti-BAFFR Neutralizing antibody BME100045 in a linear range of 3.2-80 ng/ml.

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