

## Anti-BAFF/TNFSF13B Antibody (9F115)

### Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	9F115
Purification:	Protein A

### Applications

1. Flow cytometric analysis of Human BAFF(CD257) expression on U937 cells. Cells were stained with purified anti-Human BAFF(CD257), then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.

2. Anti-BAFF rabbit monoclonal antibody at 1:500 dilution.

-Lane A: HL-60 Whole Cell Lysate.

-Lane B: Jurkat Whole Cell Lysate.

-Lane C: MOLT-4 Whole Cell lysate.

-Lysates/proteins at 30 µg per lane.

-Secondary

-Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.

-Developed using the Odyssey technique.

-Performed under reducing conditions.

Verified Activity: -Predicted band size:34 kDa.

-Observed band size:32 kDa(We are unsure as to the identity of these extra bands.)

3. BAFF was immunoprecipitated using:

-Lane A:0.5 mg Hela Whole Cell Lysate.

-Lane B:0.5 mg Jurkat Whole Cell Lysate.

-2 µL anti-BAFF rabbit monoclonal antibody and 15 µl of 50 % Protein G agarose.

-Primary antibody:

-Anti-BAFF rabbit monoclonal antibody, at 1:200 dilution.

-Secondary antibody:

-Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution.

-Developed using the odyssey technique.

-Performed under reducing conditions.

-Predicted band size: 31 kDa.

-Observed band size: 31 kDa

Application: FCM,IP,WB

## A DRUG SCREENING EXPERT

Recommended WB: 1:500-1:2000; FCM: 1:25-1:100; IP: 1-4 µL/mg of lysate

### Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen: Recombinant Protein: Human BLyS / TNFSF13B / BAFF protein (TMPY-02775)

Antigen Species: Human

Synonyms: CD257;tumor necrosis factor (ligand) superfamily, member 13b;THANK;ZTNF4;TALL1;BLYS; BAFF;DTL;TALL-1;TNFSF20

### Research Background

B lymphocyte stimulator (BLyS), also known as TNFSF13B, CD257 and BAFF, is a single-pass type II membrane protein, which belongs to the tumor necrosis factor family. BAFF is abundantly expressed in peripheral blood Leukocytes and is specifically expressed in monocytes and macrophages. BAFF is a cytokine and serves as a ligand for receptors TNFRSF13B (TACI), TNFRSF17 (BCMA), and TNFRSF13C (BAFFR). These receptors are a prominent factor in B cell differentiation, homeostasis, and selection. BLyS levels affect survival signals and selective apoptosis of autoantibody-producing B cells. Thus, it acts as a potent B cell activator and has been shown to play an important role in the proliferation and differentiation of B cells. Overexpression of BLyS in mice can lead to clinical and serological features of systemic lupus erythematosus (SLE) and Sjögren's syndrome (SS). BLyS is an attractive therapeutic target in human rheumatic diseases. The ability of BLyS to regulate both the size and repertoire of the peripheral B cell compartment raises the possibility that BLyS and antagonists thereof may form the basis of a therapeutic trichotomy. As an agonist, BLyS protein may enhance humoral immunity in congenital or acquired immunodeficiencies such as those resulting from viral infection or cancer therapy. Cancer ImmunotherapyImmune CheckpointImmunotherapyTargeted Therapy

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