

# Human BAFF/TNFSF13B antibody

Catalog Number: ABL0813

## PRODUCT INFORMATION

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**Catalog number**

ABL0813

**Clone No.**

H4-C7

**Product type**

Monoclonal Antibody

**UnitProt No.**

Q9Y275

**NCBI Accession No.**

NP\_006564

**Alternative Names**

Tumor necrosis factor ligand superfamily member 13B, B lymphocyte stimulator, BLyS, B-cell-activating factor BAFF, Dendritic cell-derived TNF-like molecule, TNF- and APOL-related leukocyte expressed ligand 1, TALL-1, CD257, TNFSF20, ZTNF4

## PRODUCT SPECIFICATION

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**Antibody Host**

Mouse

**Reacts With**

Human

**Concentration**

1mg/ml (determined by BCA assay)

**Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

**Immunogen**

Recombinant human BLyS (134-285aa) purified from E. coli

**Isotype**

IgG3 kappa

**Purification Note**

By protein-G affinity chromatography

**Application**

ELISA, ICC/IF, FACS

**Usage**

The antibody has been tested by ELISA, ICC/IF and FACS analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

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## Storage

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

### Description

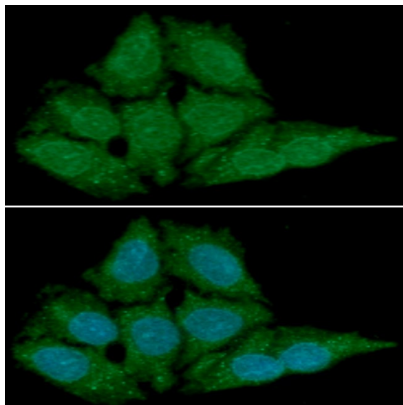
B lymphocyte stimulator (BLyS), a member of the tumor necrosis factor (TNF) superfamily of cytokines, induces B-cell proliferation and immunoglobulin secretion and is a key regulator of peripheral B-cell populations in vivo.. BLyS is made by immune-cells called monocytes and macrophages. When monocytes and macrophages are activated, BLyS is released and binds to a receptor found only on B cells.

### General References

Allan SM., et al. (2005), Nat. Rev. Immunol. 5:629-40.  
Michaud DS., et al. (2006), Cancer Res. 66(8):4525-30.

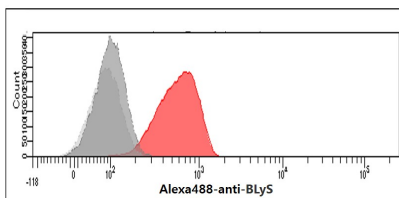
## DATA

### Immunocytochemistry/Immunofluorescence (ICC/IF)



ICC/IF analysis of BAFF/BLyS/TNFSF13B in HeLa cells. The cell was stained with ABL0813 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

### Flow cytometry (FACS)



Flow cytometry analysis of BAFF/BLyS/TNFSF13B in PBMC cells. The cell was stained with ABL0813 at 2-5ug for  $1 \times 10^6$  cells (red). A Goat anti mouse IgG (Alexa fluor 488) was used as the secondary antibody. Mouse monoclonal IgG was used as the isotype control (dark gray), cells without incubation with primary and secondary antibody was used as the negative control (light gray).