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# BAFF Receptor Antibody

Catalog # ASC10185

## Product Information

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| **Application** | WB, E, IHC-P |
| **Primary Accession** | Q96RJ3 |
| **Other Accession** | AAK91826, 15208475 |
| **Reactivity** | Human, Mouse, Rat |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Calculated MW** | 18864 |
| **Concentration (mg/ml)** | 1 mg/mL |
| **Conjugate** | Unconjugated |
| **Application Notes** | BAFF Receptor antibody can be used for detection of BAFF Rexeptor by Western blot at 5 □g/mL. Antibody can also be used for immunohistochemistry starting at 5 □g/mL. |

## Additional Information

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| **Gene ID** | 115650 |
| **Other Names** | BAFF Receptor Antibody: BAFFR, CD268, CVID4, BAFF-R, BROMIX, prolixin, BAFFR, BR3, Tumor necrosis factor receptor superfamily member 13C, B-cell-activating factor receptor, tumor necrosis factor receptor superfamily, member 13C |
| **Target/Specificity** | TNFRSF13C; |
| **Reconstitution & Storage** | BAFF Receptor antibody can be stored at 4℃ for three months and -20℃, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |
| **Precautions** | BAFF Receptor Antibody is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | TNFRSF13C |
| **Synonyms** | BAFFR, BR3 |
| **Function** | B-cell receptor specific for TNFSF13B/TALL1/BAFF/BLyS. Promotes the survival of mature B-cells and the B-cell response. |
| **Cellular Location** | Membrane; Single-pass type III membrane protein |

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| **Tissue Location** | Highly expressed in spleen and lymph node, and in resting B-cells. Detected at lower levels in activated B-cells, resting CD4+ T-cells, in thymus and peripheral blood leukocytes |

## Background

BAFF Receptor Antibody: Members in the TNF superfamily regulate immune responses and induce apoptosis. A novel member in the TNF family was recently identified by several groups and designated BAFF, BLyS, TALL-1, THANK, and zTNF4. BAFF/BLyS was characterized as a B cell activator since it induced B cell proliferation and immunoglobulin secretion. Two receptors, TACI and BCMA, for BAFF were originally identified. A third receptor was identified recently and designated BAFF-R and BR3 for BLyS receptor 3. Unlike BCMA and TACI, which bind to BAFF and April, BAFF-R/BR3 is specific for BAFF and plays a predominant role in BAFF induced B cell development and survival. BAFF and its receptors are involved in B cell associated autoimmune diseases, and activate NF-κB and c-jun N-terminal kinase.

## References

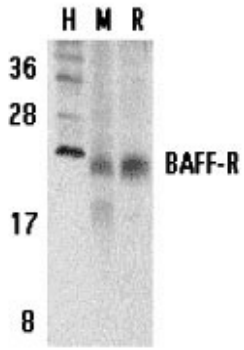

Moore PA, Belvedere O, Orr A, et al. BLyS: member of the tumor necrosis factor family and B lymphocyte stimulator. Science 1999;285:260-3

Schneider P, MacKay F, Steiner V, et al. BAFF, a novel ligand of the tumor necrosis factor family, stimulates B cell growth. J Exp Med 1999;189:1747-56

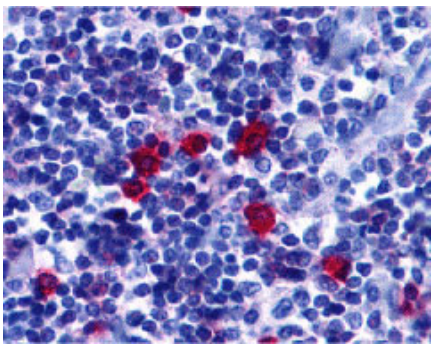
Shu HB, Hu WH, Johnson H. TALL-1 is a novel member of the TNF family that is down-regulated by mitogens. J Leukoc Biol 1999;65:680-3

Mukhopadhyay A, Ni J, Zhai Y, Yu GL, Aggarwal BB. Identification and characterization of a novel cytokine, THANK, a TNF homologue that activates apoptosis, nuclear factor-κB, and c-Jun NH2-terminal kinase. J Biol Chem 1999 ;274:15978-81


## Images




Western blot analysis of BAFF Receptor in human (H), mouse (M), and rat (R) spleen tissue lysates with BAFF Receptor antibody at 5 µg/mL.



Immunohistochemistry of BAFF Receptor in human tonsil tissue with BAFF Receptor antibody at 5 µg/mL.


Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.