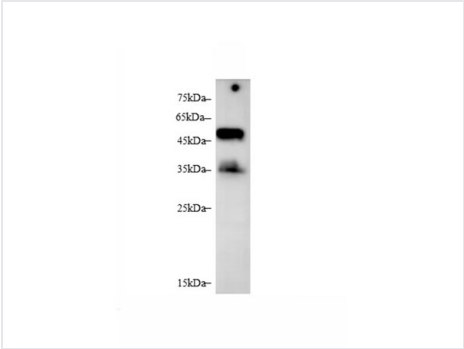
BAFFR/TNFRSF13C Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	BAFFR/TNFRSF13C, Polyclonal Antibody
Full Product Name	BAFFR/TNFRSF13C Polyclonal Antibody
Product Gene Name	anti-BAFFR/TNFRSF13C antibody
Product Synonym Names	Tumor necrosis factor receptor superfamily member 13C; B-cell-activating factor receptor; BAFF receptor (BAFF-R); BLyS receptor 3; TNFRSF13C; BAFFR; BR3
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Rat
Form/Format	PBS with 0.02% sodium azide,1% protective protein and 50% glycerol,pH7.4
Purity/Purification	Antigen Affinity Purification
Concentration	1mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C Valid for 12 months. Avoid freeze/thaw cycles.
Molecular Weight	18,864 Da
Chromosome Location	Chromosome: 22; NC_000022.10 (42321036..42322821, complement). Location: 22q13.1-q13.31
OMIM	606269
3D Structure	ModBase 3D Structure for Q96RJ3
Immunogen	Recombinant Human BAFFR/TNFRSF13C protein expressed by Mammalian
Product Categories/Family for anti-BAFFR/TNFRSF13C antibody	Polyclonal Antibodies; Primary Antibodies; Polyclonal Antibodies; Signal Transduction; Stem Cells
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-BAFFR/TNFRSF13C antibody	Western Blot (WB)
Application Notes for anti-BAFFR/TNFRSF13C antibody	WB: 1:500-1:1000
Related Product Information for anti-BAFFR/TNFRSF13C antibody	Tumor necrosis factor receptor superfamily, member 13C (TNFRSF13C) also known as B-cell-activating factor receptor (BAFFR) and CD268 antigen, is a member of the tumor necrosis factor receptor superfamily. BAFF promotes the survival of B cells and is essential for B cell maturation. BAFF binds to three TNF receptor superfamily members: B-cell maturation antigen (BCMA/TNFRSF17), transmembrane activator and calcium-modulator and cyclophilin ligand interactor (TACI/TNFRSF13B) and BAFF receptor (BAFF R/BR3/TNFRSF13C). These receptors are type III transmembrane proteins that lack a signal peptide. BAFF R is highly expressed in spleen, lymph node and resting B cells. It is also expressed at lower levels in activated B cell, in resting CD4+ T cells, in thymus and peripheral blood leukocytes. BAFF knockout mice lack mature B cells. Similarly, A/WySnJ mice that are defective in BAFF-R intracellular signaling also lack mature B cells, suggesting that BAFF R is the critical receptor for BAFF during B lymphopoiesis. It has been proposed that abnormally high levels of BAFFR/TNFRSF13C (CD268) may contribute to the pathogenesis of autoimmune diseases by enhancing the survival of autoreactive B cells.

Other Notes	Small volumes of anti-BAFFR/TNFRSF13C antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for BAFFR/TNFRSF13C purchase	MBS2579193 is an antibody targeting BAFFR/TNFRSF13C. Also known as BAFFR/TNFRSF13C Polyclonal Antibody. Reactive in Rat. Host: Rabbit.



Western Blot (WB) of anti-BAFFR/TNFRSF13C antibody
Western blot with BAFFR/TNFRSF13C Polyclonal antibody at dilution of 1:1000.lane 1:Rat thymus

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BAFFR/TNFRSF13C. It may not necessarily be applicable to this product.

NCBI GI #	85567349
NCBI GeneID	115650
NCBI Accession #	AAI12031.1
UniProt Primary Accession #	Q96RJ3
UniProt Related Accession #	Q96RJ3
NCBI Official Full Name	BAFF receptor
NCBI Official Synonym Full Names	tumor necrosis factor receptor superfamily, member 13C
NCBI Official Symbol	TNFRSF13C
NCBI Official Synonym Symbols	BAFFR; CD268; CVID4; BAFF-R; BROMIX; prolixin
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 13C
UniProt Synonym Protein Names	B-cell-activating factor receptor; BAFF receptor; BAFF-R; BLyS receptor 3
UniProt Gene Name	TNFRSF13C
UniProt Synonym Gene Names	BAFFR; BR3; BAFF-R
UniProt Entry Name	TR13C_HUMAN
NCBI Protein Information	tumor necrosis factor receptor superfamily member 13C; BAFF receptor; BLyS receptor 3; B cell-activating factor receptor; B-cell-activating factor receptor
NCBI Summary for BAFFR/TNFRSF13C	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 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. [provided by RefSeq, Jul 2008]

UniProt Comments for BAFFR/TNFRSF13C	BAFF-R: B-cell receptor specific for TNFSF13B/TALL1/BAFF/BLyS. Promotes the survival of mature B-cells and the B-cell response. Defects in TNFRSF13C are the cause of immunodeficiency common variable type 4 (CVID4); also called antibody deficiency due to BAFFR defect. CVID4 is a primary immunodeficiency characterized by antibody deficiency, hypogammaglobulinemia, recurrent bacterial infections and an inability to mount an antibody response to antigen. The defect results from a failure of B-cell differentiation and impaired secretion of immunoglobulins; the numbers of circulating B-cells is usually in the normal range, but can be low. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Receptor, misc.; Cell cycle regulation; Cell surface; Membrane protein, integral Chromosomal Location of Human Ortholog: 22q13.1-q13.31 Cellular Component: integral to membrane; external side of plasma membrane Biological Process: B cell costimulation; B cell homeostasis; T cell costimulation; positive regulation of germinal center formation; positive regulation of B cell proliferation; positive regulation of T cell proliferation; positive regulation of interferon-gamma biosynthetic process Disease: Immunodeficiency, Common Variable, 2; Immunodeficiency, Common Variable, 4
Research Articles on BAFFR/TNFRSF13C	**1.** BAFF-R, but not BAFF, may have a role in progression-free survival and overall survival in follicular lymphoma
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