

Datasheet for 600-401-Z20**BAFF Receptor Antibody****Overview**

Description:	Anti-BAFF Receptor (RABBIT) Antibody - 600-401-Z20
Item No.:	600-401-Z20
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	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.
Synonyms:	BAFF Receptor Antibody, BAFFR, CD268, CVID4, BAFF-R, BROMIX, prolixin, BAFFR, BR3, Tumor necrosis factor receptor superfamily member 13C, B-cell-activating factor receptor
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TNFRSF13C
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-BAFF Receptor antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to amino acids near the C-terminus of human BAFF Receptor. The peptide sequence is identical between human and mouse origin.
Purity/Specificity:	Anti-BAFF Receptor Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with BAFF Receptor from other sources has not been determined.
Relevant Links:	• UniProtKB - Q96RJ3 • GeneID - 115650 • NCBI - AAK91826

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-BAFF Receptor Antibody has been tested for use in ELISA, Western Blotting, immunofluorescence, and Immunohistochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 19 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
IF:	User Optimized
IHC:	5 µg/mL
WB:	1 µg/mL

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

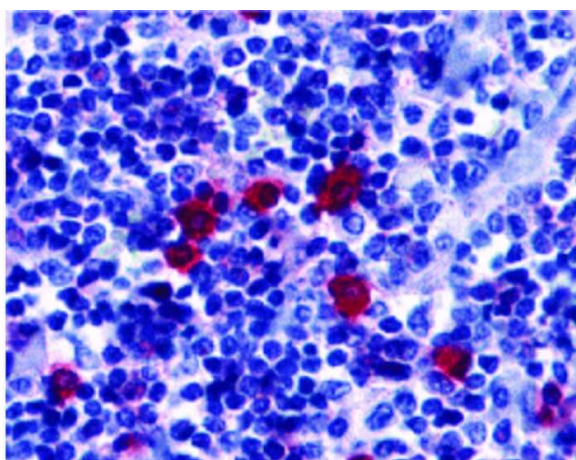
Shipping & Handling

Shipping Condition:	Dry Ice
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Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

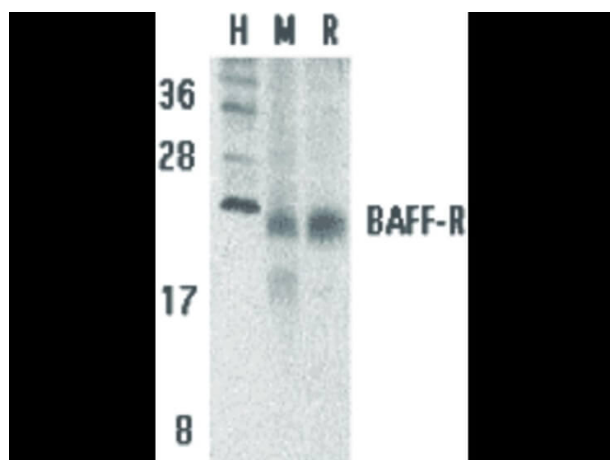
Expiration: Expiration date is one (1) year from date of receipt.

Images



Immunohistochemistry

Immunohistochemistry of BAFF Receptor antibody. Tissue: human tonsil tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: BAFF Receptor antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: BAFF Receptor is located in the cell membrane. Staining: BAFF Receptor is stained with hematoxylin purple nuclear counterstain.



Western Blot

Western Blot of BAFF Receptor antibody. Lane H: human spleen tissue lysates. Lane M: mouse spleen tissue lysates. Lane R: rat spleen tissue lysates. Load: 5 µg per lane. Primary antibody: BAFF Receptor antibody at 1:400 for overnight at 4°C. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 19 kDa, 21 kDa for BAFF Receptor. Other band(s): BAFF Receptor splice variants and isoforms.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.