

Datasheet for ABIN115775 **anti-BAFF antibody**

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Overview

Quantity:	0.5 mg
Target:	BAFF (TNFSF13B)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This BAFF antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Highly pure (98%) E.coli derived Recombinant Human BAFF (Cat.-No PA180)
Isotype:	IgG1
Specificity:	This antibody recognizes Human BAFF. Other species not tested.
Purification:	Affinity Chromatography Protein G

Target Details

Target:	BAFF (TNFSF13B)
Alternative Name:	CD257 / BAFF (TNFSF13B Products)
Background:	Members of 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 (for B cell Activating Factor belonging to the TNF Family), BLyS (for B Lymphocyte Stimulator), TALL1 (for TNF- and ApoL- related Leukocyte-expressed Ligand), and THANK (for TNF Homologue

Target Details

that Activate Apoptosis, NFkB and c-jun N-terminal Kinase). BAFF/BLyS was characterized as a B cell stimulator since it induced B cell proliferation and immunoglobulin secretion. Two receptors for BAFF were recently identified and designated TACI and BCMA. BAFF also signals through a third TNF receptor BAFFR/BR3. BAFF and its receptors are involved in the development of systemic lupus erythematosis and other B cell associated autoimmune diseases. Like TNFa and TRAIL, THANK was shown to activate NF-kB and c-jun N terminal kinase (JNK) and to induce apoptosis. The human BAFF gene codes for a 285 amino acid type II transmembrane protein containing a 46 amino acid cytoplasmic domain, a 21 amino acid transmembrane domain, and a 218 amino acid extracellular domain. Synonyms: B cell-activating factor, B lymphocyte stimulator, BAFF, BLYS, Dendritic cell-derived TNF-like molecule, TALL1, TNF- and APOL-related leukocyte expressed ligand 1, TNFSF13B, TNFSF20, Tumor necrosis factor ligand superfamily member 13B, ZTNF4

Gene ID: 10673

NCBI Accession: [NP_001139117](#)

UniProt: [Q9Y275](#)

Pathways: [NF-kappaB Signaling, Production of Molecular Mediator of Immune Response](#)

Application Details

Application Notes: ELISA: In a sandwich ELISA (assuming 100 µL/well), a concentration of 5-6 µg/mL of this antibody will detect at least 0.5 ng/well of recombinant Human BAFF when used in conjunction with Biotinylated antigen affinity purified anti-human BAFF(PP1203B1/PP1203B1) as the detection antibody at a concentration of at least 0.25-0.50 µg/mL. Western Blot: To detect Human BAFF by Western Blot analysis this antibody can be used at a concentration of 0.20-0.40 µg/mL. Used in conjunction with compatible secondary reagents the detection limit for recombinant Human BAFF is 2.0-4.0 ng/lane, under non-reducing conditions. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Reconstitution: Restore in sterile water to a concentration of 1.0 mg/mL.

Concentration: 1.0 mg/mL

Handling

Buffer:	PBS without preservatives
Preservative:	Without preservative
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	The lyophilized antibody is stable at RT for up to 1 month. Following reconstitution store at 2-8 °C for one month or at -20 °C for longer.