

Datasheet for ABIN116399 **anti-BAFF antibody (Biotin)**



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Overview

Quantity:	25 µg
Target:	BAFF (TNFSF13B)
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This BAFF antibody is conjugated to Biotin
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Highly pure (>98%) recombinant hBAFF.
Specificity:	This antibody reacts with BAFF.
Purification:	Affinity chromatography

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 that Activate Apoptosis, NFkB and c-jun N-terminal Kinase). BAFF/BLyS was characterized as a

Target Details

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 TNF α and TRAIL, THANK was shown to activate NF- κ B 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(Direct): To detect hBAFF by direct ELISA (using 100 l/well antibody solution) this antibody can be used at a concentration of 0.25-1.0 μ g/mL. Used in conjunction with compatible secondary reagents, allows the detection of at least 0.2-0.4 ng/well of recombinant hBAFF. (Sandwich): To detect hBAFF by sandwich ELISA (using 100 l/well antibody solution) this antibody can be used at a concentration of 0.25-1.0 μ g/mL. Used in conjunction with compatible secondary reagents, allows the detection of at least 0.2-0.4 ng/well of recombinant hBAFF. Western Blot: To detect hBAFF by Western Blot analysis this antibody can be used at a

Restrictions: For Research Use only

Handling

Reconstitution: Centrifuge vial prior to opening. Restore in sterile PBS containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL.

Buffer: PBS, pH 7.2 without preservatives.

Preservative: Without preservative

Handling

Handling Advice:	Avoid repeated freezing and thawing.
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Storage:	4 °C/-20 °C
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Storage Comment:	Store the antibody prior to reconstitution at -20 °C. Following reconstitution the antibody can be stored at 2-8 °C for one month or at -20 °C for longer.
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