Datasheet for ABIN116401

anti-BAFF antibody

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Overview

Quantity:	50 µg
Target:	BAFF (TNFSF13B)
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This BAFF antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Highly pure (>98%) recombinant hBAFF.
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 B cell stimulator since it induced B cell proliferation and immunoglobulin secretion. Two

Target Details

	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 erythaematosus 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:	Neutralization. ELISA: To detect hBAFF by direct ELISA (using 100 l/well antibody solution) aconcentration of at least 0.5 µg/mL of this antibody is required. This antigen affinitypurified antibody, in conjunction with compatible secondary reagents, allows the detectionof 0.2-0.4 ng/well of recombinant hBAFF. Western Blot: To detect hBAFF by Western Blot analysis this antibody can be used at aconcentration of 0.1-0.2 µg/mL. Used in conjunction with compatible secondary reagentsthe detection limit for recombinant hBAFF is 1.5-3.0 ng/lane, under either reducing ornon-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 > 0.2 mg/mL.
Buffer:	0.5 X PBS, pH 7.4 without preservatives.
Preservative:	Without preservative
Handling Advice:	Avoid repeated freezing and thawing.

Handling

Storage:	4 °C/-20 °C
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.