ARG65988
anti-BAFF antibody [2B]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [2B] recognizes BAFF
Tested Reactivity	Hu
Tested Application	ELISA, WB
Host	Mouse
Clonality	Monoclonal
Clone	2B
Isotype	IgG1, kappa
Target Name	BAFF
Species	Human
Immunogen	E. coli derived recombinant Human BAFF. (AVQGPEETVT QDCLQLIADS ETPTIQKGSY TFVPWLLSFK RGSALEEKEN KILVKETGYF FIYGQVLYTD KTYAMGHLIQ RKKVHVFGDE LSLVTLFRCI QNMPETLPNN SCYSAGIAKL EEGDELQLAI PRENAQISLD GDVTFFGALK LL)
Conjugation	Un-conjugated
Alternate Names	BLYS; TALL1; Dendritic cell-derived TNF-like molecule; THANK; DTL; TNF- and APOL-related leukocyte expressed ligand 1; TNFSF20; CD257; BLyS; Tumor necrosis factor ligand superfamily member 13B; ZTNF4; CD antigen CD257; B lymphocyte stimulator; TALL-1; BAFF; B-cell-activating factor

Application Instructions

Application table

Application	Dilution
ELISA	Sandwich: 5.0 - 6.0 µg/ml with ARG66063 as a detection antibody
WB	0.20 - 0.40 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

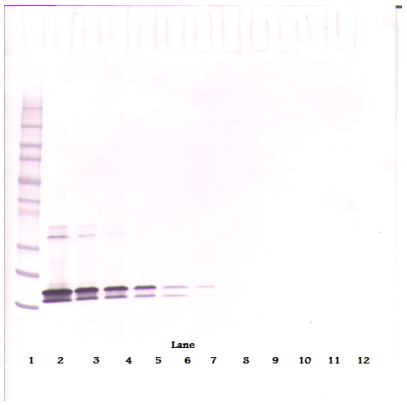
Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

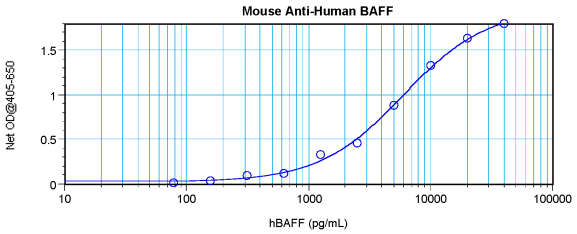
Database links	GeneID: 10673 Human Swiss-port # Q9Y275 Human
Gene Symbol	TNFSF13B
Gene Full Name	tumor necrosis factor (ligand) superfamily, member 13b
Background	The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for receptors TNFRSF13B/TACI, TNFRSF17/BCMA, and TNFRSF13C/BAFFR. This cytokine is expressed in B cell lineage cells, and acts as a potent B cell activator. It has been also shown to play an important role in the proliferation and differentiation of B cells. Alternatively spliced transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Mar 2011]
Function	Cytokine that binds to TNFRSF13B/TACI and TNFRSF17/BCMA. TNFSF13/APRIL binds to the same 2 receptors. Together, they form a 2 ligands -2 receptors pathway involved in the stimulation of B- and T-cell function and the regulation of humoral immunity. A third B-cell specific BAFF-receptor (BAFFR/BR3) promotes the survival of mature B-cells and the B-cell response. Isoform 2 seems to inhibit isoform 1 secretion and bioactivity. Isoform 3: Acts as a transcription factor for its own parent gene, in association with NF-kappa-B p50 subunit, at least in autoimmune and proliferative B-cell diseases. The presence of Delta4BAFF is essential for soluble BAFF release by IFNG/IFN-gamma-stimulated monocytes and for B-cell survival. It can directly or indirectly regulate the differential expression of a large number of genes involved in the innate immune response and the regulation of apoptosis. [UniProt]
Calculated Mw	31 kDa
PTM	The soluble form derives from the membrane form by proteolytic processing. Isoform 2 is not efficiently shed from the membrane unlike isoform 1. N-glycosylated.

Images



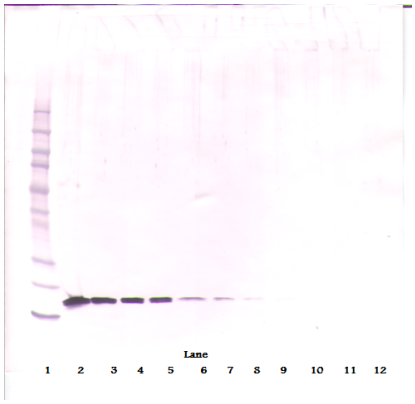
ARG65988 anti-BAFF antibody [2B] WB image

Western blot: 250 - 0.24 ng (left to right) of Human BAFF stained with ARG65988 anti-BAFF antibody [2B], under non-reducing conditions.



ARG65988 anti-BAFF antibody [2B] standard curve image

Sandwich ELISA: ARG65988 anti-BAFF antibody [2B] as a capture antibody at 5.0 - 6.0 µg/ml combined with ARG66063 anti-BAFF antibody (Biotin) as a detection antibody at 0.25 - 0.50 µg/ml. Results of a typical standard run with optical density reading at 405 - 650 nm.



ARG65988 anti-BAFF antibody [2B] WB image

Western blot: 250 - 0.24 ng (left to right) of Human BAFF stained with ARG65988 anti-BAFF antibody [2B], under reducing conditions.