BAFF Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	BAFF, Monoclonal Antibody
Full Product Name	BAFF (B cell Activating Factor belonging to TNF Family, BLyS, TALL-1, THANK) (MaxLight 650)
Product Gene Name	anti-BAFF antibody
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	4i156
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by Protein A Chromatography Column.
Specificity	Recognizes BAFF.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	31 kDa
3D Structure	ModBase 3D Structure for Q9Y275
Immunogen	Recombinant human BAFF.
Conjugate	MaxLight650
Product Categories/Family for anti-BAFF antibody	Antibodies; Growth Factors; Cytokines
Applications Tested/Suitable for anti-BAFF antibody	FLISA
Application Notes for anti-BAFF antibody	FLISA (Sandwich): 5-6ug/ml (100ul/well) detect at least 0.5ng/well of recombinant Human BAFF. Applications are based on unconjugated antibody.
Related Product Information for anti-BAFF antibody	MaxLight650 is a new Far-IR stable dye conjugate comparable to Alexa Fluor647, DyLight649, Cy5 and offers better labeling efficiency, brighter imaging and increased immunodetection. Absorbance (655nm); Emission (676nm); Extinction Coefficient 250,000.
Other Notes	Small volumes of anti-BAFF antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for BAFF purchase	MBS6220205 is an antibody targeting BAFF. Also known as BAFF (B cell Activating Factor belonging to TNF Family, BLyS, TALL-1, THANK) (MaxLight 650). Reactive in Human. Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BAFF. It may not necessarily be applicable to this product.

NCBI GI #	5730097

NCBI GeneID	10673
NCBI Accession #	NP_006564
UniProt Primary Accession #	Q9Y275
UniProt Secondary Accession #	Q6FHD6; Q7Z5J2; E0ADT7
UniProt Related Accession #	Q9Y275
GenBank Nucleotide #	NM_006573.4
NCBI Official Full Name	tumor necrosis factor ligand superfamily member 13B isoform 1
NCBI Official Synonym Full Names	tumor necrosis factor (ligand) superfamily, member 13b
NCBI Official Symbol	TNFSF13B
NCBI Official Synonym Symbols	DTL; BAFF; BLYS; CD257; TALL1; THANK; ZTNF4; TALL-1; TNFSF20
Protein Family	Tumor necrosis factor receptor superfamily
NCBI Protein Information	tumor necrosis factor ligand superfamily member 13B; delta BAFF; Delta4 BAFF; B-lymphocyte stimulator; B-cell-activating factor; ApoL related ligand TALL-1; TNF homolog that activates apoptosis; dendritic cell-derived TNF-like molecule; tumor necrosis fac
NCBI Summary for BAFF	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]
Research Articles on BAFF	**1.** Availability of BAFF determines BAFF-R and TACI expression on B cells in common variable immunodeficiency.
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