

Mouse anti-Human, Rat BLyS Monoclonal Antibody | anti-BLyS antibody

BLyS antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48011	Mouse	Human, Rat	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

BLyS; Monoclonal Antibody; BLyS antibody; B lymphocyte stimulator; B-cell activating factor; BAFF; CD257; TALL1; THANK; ZTNF4; TNFSF13B; TNFSF20; BlyS; anti-BLyS antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Rat
Clonality	Monoclonal
Isotype	IgG3, k
Clone Number	H4-C7
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	285
Applicable Applications for anti-BLyS antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human BLyS (134-285aa) purified from E. coli
Clone Note	Anti-human BLyS mAb, clone H4-C7, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human BLyS protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of BLyS in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human BLyS antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green)



WB (Western Blot)

Tissue lysates of Rat spleen (60ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human BLyS (1:500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

ADDITIONAL INFORMATION

Related Product Information for anti-BLyS antibody	B lymphocyte stimulator (BLyS),a member of the tumor necrosis factor (TNF) superfamily of cytokines, induces B-cell proliferation and immunoglobulin secretion and is a key regulator of peripheral B-cell populations in vivo.. BLyS is made by immune-cells called monocytes and macrophages. When monocytes and macrophages are activated, BLyS is released and binds to a receptor found only on B cells.
Product Categories/Family for anti-BLyS antibody	Hormones & Cytokines
References	Allan SM., et al. (2005), Nat. Rev. Immunol. 5:629-40.; Michaud DS., et al. (2006), Cancer Res. 66 (8):4525-30

NCBI AND UNIPROT INFORMATION

NCBI GI #	5730097
NCBI GeneID	10673
NCBI Accession #	NP_006564
NCBI GenBank Nucleotide #	NM_006573.4
UniProt Accession #	Q9Y275; Q6FHD6; Q7Z5J2; E0ADT7
Molecular Weight	17,578 Da
NCBI Official Full Name	tumor necrosis factor ligand superfamily member 13B isoform 1
NCBI Official Synonym Full Names	TNF superfamily member 13b
NCBI Official Symbol	TNFSF13B
NCBI Official Synonym Symbols	DTL; BAFF; BLYS; CD257; TALL1; THANK; ZTNF4; TALL-1; TNLG7A; TNFSF20
NCBI Protein Information	tumor necrosis factor ligand superfamily member 13B
UniProt Protein Name	Tumor necrosis factor ligand superfamily member 13B
UniProt Gene Name	TNFSF13B
UniProt Synonym Gene Names	BAFF; BLYS; TALL1; TNFSF20; ZTNF4; BLyS; TALL-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.