

Mouse anti-Human CD22 Monoclonal Antibody | anti-CD22 antibody

Mouse Monoclonal [clone 1B1] (IgG1) to Human CD22

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA52540	Mouse	Human	Western Blot, Immunofluorescence, Immunohistochemistry

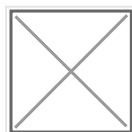
PRODUCT SYNONYMS

CD22; Monoclonal Antibody; Mouse Monoclonal [clone 1B1] (IgG1) to Human CD22; Anti-CD22 Antibody (clone 1B1) IHC-plus; CD22 molecule; CD22 antigen; SIGLEC2; SIGLEC-2; T-cell surface antigen Leu-14; B-cell receptor CD22; BL-CAM; Human CD22; anti-CD22 antibody

PRODUCT SPECIFICATIONS

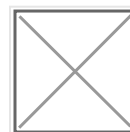
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	1B1
Specificity	Human CD22
Purity/Purification	Protein A/G Purified
Form/Format	PBS, pH 7.3, 1% BSA, 50% glycerol, 0.02% sodium azide
Concentration	1 mg/ml (varies by lot)
Sequence Length	847
Applicable Applications for anti-CD22 antibody	WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Full length human recombinant protein of human CD22(NP_001762) produced in HEK293T cell.
Antigen type	Recombinant Protein
Immunogen Type	Recombinant protein
Immunogen	CD22 antibody was raised against full length human recombinant protein of human CD22(NP_001762) produced in HEK293T cell.
Preparation and Storage	Store at -20 degree C. Minimize freezing and thawing.

IMAGES



WB (Western Blot)

HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CD22 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CD22.



IF (Immunofluorescence)

Anti-CD22 mouse monoclonal antibody immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY CD22.



IHC (Immunohistochemistry)

Anti-CD22 antibody IHC staining of human spleen. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-CD22 antibody	Mediates B-cell B-cell interactions. May be involved in the localization of B-cells in lymphoid tissues. Binds sialylated glycoproteins; one of which is CD45. Preferentially binds to alpha-2,6-linked sialic acid. The sialic acid recognition site can be masked by cis interactions with sialic acids on the same cell surface. Upon ligand induced tyrosine phosphorylation in the immune response seems to be involved in regulation of B-cell antigen receptor signaling. Plays a role in positive regulation through interaction with Src family tyrosine kinases and may also act as an inhibitory receptor by recruiting cytoplasmic phosphatases via their SH2 domains that block signal transduction through dephosphorylation of signaling molecules .
Product Categories/Family for anti-CD22 antibody	Family: Immunoglobulin

NCBI AND UNIPROT INFORMATION

NCBI GI #	157168355
NCBI GeneID	933
NCBI Accession #	NP_001762.2
NCBI GenBank Nucleotide #	NM_001771.3
UniProt Accession #	P20273 ; O95699 ; O95701 ; O95702 ; O95703 ; Q01665 ; Q32M46 ; Q92872 ; Q92873 ; Q9UQA6 ; F5GYU4 ; F5H7U3
NCBI Official Full Name	B-cell receptor CD22 isoform 1
NCBI Official Synonym Full Names	CD22 molecule
NCBI Official Symbol	CD22
NCBI Official Synonym Symbols	SIGLEC2; SIGLEC-2
NCBI Protein Information	B-cell receptor CD22; BL-CAM; CD22 antigen; T-cell surface antigen Leu-14; B-lymphocyte cell adhesion molecule; sialic acid binding Ig-like lectin 2; sialic acid-binding Ig-like lectin 2
UniProt Protein Name	B-cell receptor CD22
UniProt Gene Name	CD22
UniProt Synonym Gene Names	SIGLEC2; BL-CAM; Siglec-2
UniProt Entry Name	CD22_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd22-antibody-clone-1b1-western-blot-immunofluorescence-immunohistochemistry-elisa/52540>