

CD22 Polyclonal Antibody | anti-CD22 antibody

Anti-CD22 Antibody

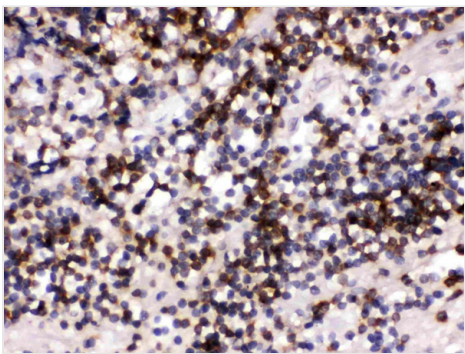
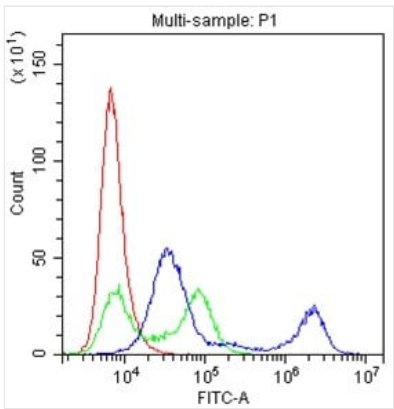
CATALOG # AAA46222	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

CD22; Polyclonal Antibody; Anti-CD22 Antibody; B-cell receptor CD22; B cell receptor CD22 precursor; B lymphocyte cell adhesion molecule; B-lymphocyte cell adhesion molecule; BL CAM; BL-CAM; BLCAM; CD 22; CD22 antigen; CD22 molecule; CD22 protein; CD22_HUMAN; Lectin 2; Leu14; Lyb8; MGC130020; sialic acid binding Ig like lectin 2; Sialic acid binding immunoglobulin like lectin 2; Sialic acid-binding Ig-like lectin 2; SIGLEC 2; Siglec-2; SIGLEC2; T cell surface antigen Leu 14; T-cell surface antigen Leu-14; anti-CD22 antibody

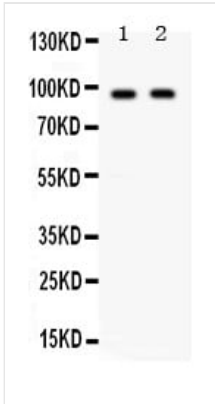
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	759
Applicable Applications for anti-CD22 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human CD22 (696-724aa LAILILAICGLKLQRRWKRTQSQQLQEN), different from the related mouse sequence by ten amino acids.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquoted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.



IHC (Immunohistochemistry)
Anti- CD22 Picoband antibody, AAA46222, IHC(P)IHC(P): Human Tonsil Tissue

FCM/FACS (Flow Cytometry)
Figure 3. Flow Cytometry analysis of Raji cells using anti-CD22 antibody (AAA46222).Overlay histogram showing Raji cells stained with AAA46222 (Blue line).The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-CD22 Antibody (AAA46222,1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight 488 conjugated goat anti-rabbit IgG (5-10ug/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)
Anti- CD22 Picoband antibody, AAA46222, Western blottingAll lanes: Anti CD22 (AAA46222) at 0.5ug/mlLane 1: MCF-7 Whole Cell Lysate at 40ugLane 2: 22RV1 Whole Cell Lysate at 40ugPredicted bind size: 95KDObserved bind size: 95KD

ADDITIONAL INFORMATION

Related Product Information for anti-CD22 antibody	Description: Rabbit IgG polyclonal antibody for B-cell receptor CD22(CD22) detection. Tested with WB, IHC-P in Human. Background: CD22 is a surface glycoprotein of B lymphocytes that is rapidly phosphorylated on cytoplasmic tyrosines after antigen receptor cross-linking. It is a negative regulator of antigen receptor signaling whose onset of expression at the mature B cell stage may serve to raise the antigen concentration threshold required for B cell triggering. The human CD22 gene is expressed specifically in B lymphocytes and likely has an important function in cell-cell interactions. The B cell coreceptor CD22 plays an important role in regulating signal transduction via the B cell Ag receptor. And CD22 is located within the band region q13.1 of chromosome 19.
References	1. John, B.; Herrin, B. R.; Raman, C.; Wang, Y.; Bobbitt, K. R.; Brody, B. A.; Justement, L. B. The B cell coreceptor CD22 associates with AP50, a clathrin-coated pit adapter protein, via tyrosine-dependent interaction. J. Immun. 170: 3534-3543, 2003. 2. O'Keefe, T. L.; Williams, G. T.; Davies, S. L.; Neuberger, M. S. Hyperresponsive B cells in CD22-deficient mice. Science 274: 798-801, 1996. 3. Wilson, G. L.; Najfeld, V.; Kozlow, E.; Menniger, J.; Ward, D.; Kehrl, J. H. Genomic structure and chromosomal mapping of the human CD22 gene. J. Immun. 150: 5013-5024, 1993.

NCBI AND UNIPROT INFORMATION

NCBI GI #	297374825
NCBI GeneID	933
NCBI Accession #	NP_001172028.1
NCBI GenBank Nucleotide #	NM_001185099.1
UniProt Accession #	P20273; O95699; O95701; O95702; O95703; Q01665; Q32M46; Q92872; Q92873; Q9UQA6; F5GYU4; F5H7U3
NCBI Official Full Name	B-cell receptor CD22 isoform 2
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
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/polyclonal/cd22-antibody-immunohistochemistry-western-blot-elisa/46222>