

Mouse anti-Human CD22/BL-CAM Monoclonal Antibody | anti-CD22 antibody

CD22/BL-CAM (B-Cell Marker) Recombinant Mouse Monoclonal Antibody [Clone rBLCAM/6749]

CATALOG # AAA216053	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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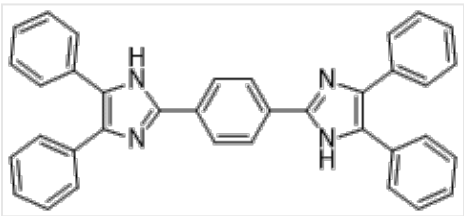
PRODUCT SYNONYMS

CD22/BL-CAM; Monoclonal Antibody; CD22/BL-CAM (B-Cell Marker) Recombinant Mouse Monoclonal Antibody [Clone rBLCAM/6749]; CD22/BL-CAM (B-Cell Marker); B-lymphocyte cell adhesion molecule (BL-CAM); B-cell receptor CD22; CD22; Lectin 2; Lyb8; Sialic acid-binding Ig-like lectin 2 (Siglec-2); SIGLEC2; T-cell surface antigen Leu-14; anti-CD22 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse/IgG1, kappa
Clone Number	rBLCAM/6749
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-CD22 antibody	IHC (Immunohistochemistry)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant fragment (around aa52-178) of human BL-CAM/CD22 protein (exact sequence is proprietary)
Cellular Localization	Cell Surface
Positive Control	Raji cells or human peripheral blood lymphocytes (hPBL). Human tonsil, lymph node or spleen.
Hu-chromosome Location	19q13.1
Unigene	579691
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
IHC analysis of formalin-fixed, paraffin-embedded human tonsil using rBLCAM/6749 at 2ug/ml.
HIER: Tris/EDTA, pH9. 0, 45min. Inset: PBS instead of primary antibody, secondary negative control.

ADDITIONAL INFORMATION

Related Product Information for anti-CD22 antibody	Recognizes a protein of 130-140kDa, identified as CD22 (also known as BL-CAM). CD22 expression is restricted to normal and neoplastic B cells and is absent from other haemopoietic cell types. In B-cell ontogeny, CD22 is first expressed in the cytoplasm of pro-B and pre-B cells, and on the surface as B cells mature to become IgD+. It is not expressed by plasma cells, CD22 is found highly expressed in follicular mantle and marginal zone B-cells, and while germinal center B-cells are relatively weak. CD22 is a member of the immunoglobulin superfamily and serves as an adhesion receptor for sialic acid-bearing ligands expressed on erythrocytes and all leukocyte classes. It also associates with tyrosine kinases and play a role in signal transduction and B-cell activation.
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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; Q92872; Q92873; Q9UQA6; Q9UQA7; Q9UQA8; F5H7U3
Molecular Weight	95,348 Da
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; 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.