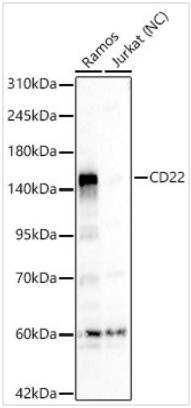
CD22 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CD22, Polyclonal Antibody
Full Product Name	CD22 Rabbit pAb
Product Gene Name	anti-CD22 antibody
Product Synonym Names	SIGLEC2; SIGLEC-2; CD22
Immunogen Sequence	MHLLGPWLLL LVLEYLAFSD SSKWVFEHPE TLYAWEGACV WIPCTYRALD GDLESFILFH NPEYNKNTSK FDGTRLYEST KDGKVPSEQK RVQFLGDKNK
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Purity/Purification	Affinity purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	Calculated MW: 95kDa Observed MW: 140kDa
OMIM	107266
3D Structure	ModBase 3D Structure for P20273
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human CD22 (NP_001762.2).
Product Categories/Family for anti-CD22 antibody	Cancer; Tumor immunology; Tumor-associated antigens; Tumor biomarkers; Immunology Inflammation; CDs; B Cell Receptor Signaling Pathway; Stem Cells; Hematopoietic Progenitors; Antibodies
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CD22 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-CD22 antibody	WB: 1:500-1:1000 ELISA: Recommended starting concentration is 1ug/mL. Please optimize the concentration based on your specific assay requirements.
Related Product Information for anti-CD22 antibody	Predicted to enable CD4 receptor binding activity; protein phosphatase binding activity; and sialic acid binding activity. Involved in B cell activation; negative regulation of B cell receptor signaling pathway; and regulation of endocytosis. Located in early endosome and recycling endosome.
Other Notes	Small volumes of anti-CD22 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 CD22 purchase	MBS9148623 is an antibody targeting CD22. Also known as CD22 Rabbit pAb. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-CD22 antibody
Western blot analysis of various lysates using CD22 Rabbit pAb (MBS9148623) at 1:1000 dilution.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25 ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Negative control (NC): Jurkat.Exposure time: 60s.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD22. It may not necessarily be applicable to this product.

NCBI GI #	297374825
NCBI GeneID	933
NCBI Accession #	NP_001172028.1
UniProt Primary Accession #	P20273
UniProt Secondary Accession #	O95699; O95701; O95702; O95703; Q01665; Q92872; Q92873; Q9UQA6; Q9UQA7; Q9UQA8; F5H7U3
UniProt Related Accession #	P20273
GenBank Nucleotide #	NM_001185099.1
UniProt Protein Name	B-cell receptor CD22
UniProt Synonym Protein Names	B-lymphocyte cell adhesion molecule; BL-CAM; Sialic acid-binding Ig-like lectin 2; Siglec-2; T-cell surface antigen Leu-14
Protein Family	B-cell receptor
UniProt Gene Name	CD22
UniProt Synonym Gene Names	SIGLEC2; BL-CAM; Siglec-2
UniProt Entry Name	CD22_HUMAN

UniProt Comments for CD22	CD22: 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. Belongs to the immunoglobulin superfamily. SIGLEC (sialic acid binding Ig-like lectin) family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Cell surface; Membrane protein, integral Chromosomal Location of Human Ortholog: 19q13.1 Cellular Component: integral to plasma membrane; external side of plasma membrane Molecular Function: protein binding; carbohydrate binding Biological Process: cell adhesion
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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