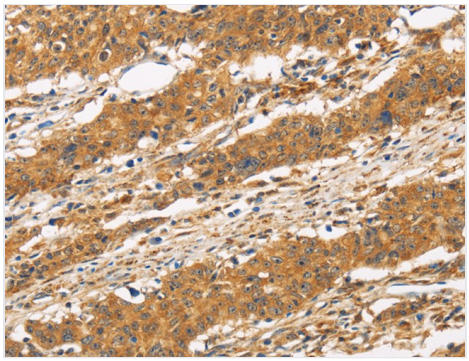
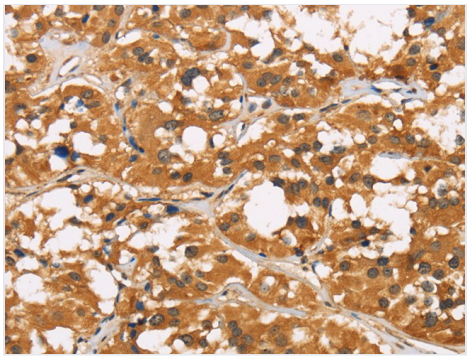
CD22 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CD22, Polyclonal Antibody
Full Product Name	CD22 Polyclonal Antibody
Product Gene Name	anti-CD22 antibody
Product Synonym Names	SIGLEC2; SIGLEC-2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Purity/Purification	Affinity purification
Concentration	0.3mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C , Avoid freeze / thaw cycles
Molecular Weight	75,354 Da
OMIM	107266
Product Categories/Family for anti-CD22 antibody	Stem Cells
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CD22 antibody	ELISA (EIA), Immunohistochemistry (IHC)
Application Notes for anti-CD22 antibody	IHC: 1:50-1:200
Related Product Information for anti-CD22 antibody	Background/Introduction: The B lymphocyte specific CD22 antigen, also designated B-lymphocyte cell adhesion molecule (BLCAM), sialic acid-binding Ig-like lectin 2 (Siglec-2) and Leu-14, is a type I integral membrane glycoprotein, structurally similar to other cell adhesion molecules (CAMs), which acts as a regulator of B cell signaling. CD22 is expressed as both a cytoplasmic and membrane protein during discrete stages of B cell lymphocyte differentiation. The cytoplasmic form of CD22, expressed early in B cell development, is a useful marker for acute lymphocytic leukemia. The membrane form of CD22 is expressed in mature B cells prior to their differentiation into plasma cells.
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	MBS2518886 is an antibody targeting CD22. Also known as CD22 Polyclonal Antibody. Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-CD22 antibody
Immunohistochemistry of paraffin-embedded Human gasrtic cancer tissue using CD22 Polyclonal Antibody at dilution 1:50



Immunohistochemistry (IHC) of anti-CD22 antibody
Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using CD22 Polyclonal Antibody at dilution 1:50

ADDITIONAL DETAILS

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

NCBI GI #	4126455
NCBI GeneID	933
NCBI Accession #	BC109306
UniProt Secondary Accession #	O95699; O95701; O95702; O95703; Q01665; Q32M46; Q92872; Q92873; Q9UQA6; F5GYU4; F5H7U3
UniProt Related Accession #	P20273
NCBI Official Full Name	CD22, partial
NCBI Official Synonym Full Names	CD22 molecule
NCBI Official Symbol	CD22
NCBI Official Synonym Symbols	SIGLEC2; SIGLEC-2
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; CD_antigen: CD22
Protein Family	B-cell receptor
UniProt Gene Name	CD22
UniProt Synonym Gene Names	SIGLEC2; BL-CAM; Siglec-2
UniProt Entry Name	CD22_HUMAN
NCBI Protein Information	B-cell receptor CD22; B-lymphocyte cell adhesion molecule; BL-CAM; CD22 antigen; T-cell surface antigen Leu-14; sialic acid binding Ig-like lectin 2; sialic acid-binding Ig-like lectin 2

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: Membrane protein, integral; Cell surface 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
Research Articles on CD22	**1.** By using integrative genomics and analysing the relationships of COPD phenotypes with SNPs and gene expression in lung tissue, we identified CST3 and CD22 as potential causal genes for airflow obstruction.
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