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CD22 Antibody (Center) Blocking peptide

Synthetic peptide
Catalog # BP10233c

Specification

CD22 Antibody (Center) Blocking peptide - Product Information

Primary Accession	P20273
Other Accession	NP_001762.2, NP_001172028.1, NP_001172030.1, NP_001172029.1

CD22 Antibody (Center) Blocking peptide - Additional Information

Gene ID 933

Other Names
B-cell receptor CD22, B-lymphocyte cell adhesion molecule, BL-CAM, Sialic acid-binding Ig-like lectin 2, Siglec-2, T-cell surface antigen Leu-14, CD22, CD22, SIGLEC2

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CD22 Antibody (Center) Blocking peptide - Protein Information

Name CD22 {ECO:0000303|PubMed:1691828, ECO:0000312|HGNC:HGNC:1643}

Function
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.

Cellular Location
Cell membrane; Single-pass type I membrane protein

Tissue Location
B-lymphocytes.

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CD22 Antibody (Center) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

CD22 Antibody (Center) Blocking peptide - Images

CD22 Antibody (Center) Blocking peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Uckun, F.M., et al. Proc. Natl. Acad. Sci. U.S.A. 107(39):16852-16857(2010)Ramya, T.N., et al. Mol. Cell Proteomics 9(6):1339-1351(2010)Davila, S., et al. Genes Immun. 11(3):232-238(2010)El-Sayed, Z.A., et al. Egypt J Immunol 16(1):27-38(2009)