

Mouse anti-Mouse CD22 Monoclonal Antibody | anti-CD22 antibody

Anti-Mouse CD22 Monoclonal Antibody (APC Conjugated) [Cy34.1]

CATALOG # AAA174735	HOST Mouse	REACTIVITY Mouse	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD22; Monoclonal Antibody; Anti-Mouse CD22 Monoclonal Antibody (APC Conjugated) [Cy34.1]; B-cell receptor CD22; Cd22; B-lymphocyte cell adhesion molecule; BL-CAM; Sialic acid-binding Ig-like lectin 2; Siglec-2; T-cell surface antigen Leu-14; Lyb-8; Siglec2; anti-CD22 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Mouse
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	Cy34.1
Form/Format	Liquid; Phosphate buffered solution, pH7.2, containing 0.09% stabilizer and 1% protein protectant.
Concentration	0.2 mg/mL (varies by lot)
Sequence Length	862
Applicable Applications for anti-CD22 antibody	FCM/FACS (Flow Cytometry)
Conjugation	APC
Preparation and Storage	Store at 2-8°C and protect from prolonged exposure to light. Do not freeze.

ADDITIONAL INFORMATION

Related Product Information for anti-CD22 antibody	The Cy34.1 monoclonal antibody specifically binds to the B-lymphocyte differentiation antigen CD22 on strains having the Lyb-8.2 alloantigen (e.g., A, BALB/c, CBA, C3H/He, C57BL, C57L, C58, SJL, SWR, but not AKR, DBA/1, DBA/2, NZB, PL). CD22 is expressed at high levels on mature peripheral B lymphocytes (follicular and marginal zone), B-1 cells (CD5+ B cells), and plasma cells. It is a member of the Ig gene superfamily and associates with the B-cell antigen receptor. Its sialic acid- binding immunoglobulin-like lectin (siglec) extracellular region mediates B-cell adhesion to ligands on endothelial cells in the bone marrow. Its intracellular domain is phosphorylated after cross-linking of antigen receptor or MHC class II antigen. It is involved in negative regulation of B-cell activation and protection from autoimmunity. B-cell proliferative responses to LPS or anti-mouse Ig u chain are augmented in the presence of Cy34.1 mAb.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	461664
NCBI GeneID	12483
UniProt Accession #	P35329
NCBI Official Full Name	B-cell receptor CD22
NCBI Official Synonym Full Names	CD22 antigen

NCBI Official Symbol	Cd22
NCBI Official Synonym Symbols	Lyb8; Lyb-8; A530093D23
NCBI Protein Information	B-cell receptor CD22
UniProt Protein Name	B-cell receptor CD22
UniProt Gene Name	Cd22
UniProt Synonym Gene Names	Lyb-8; Siglec2; BL-CAM; Siglec-2
UniProt Entry Name	CD22_MOUSE

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/monoclonal/cd22-antibody-clone-cy34-1-flow-cytometry-elisa/174735>