

Low Endotoxin Purified Anti-Mouse CD22 Antibody [Cy34.1]

Catalogue Code: AGEL2157

Antibody Data

Product SKU:	AGEL2157	Clone:	Cy34.1
Applications:	FCM		
Reactivity:	Mouse		

Important Note:

Centrifuge before opening to ensure complete recovery of vial contents.

Product Information:

Alternate Names:	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;CD22;Lyb-8; Siglec2;
Uniprot ID:	P35329
Background:	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 μ chain are augmented in the presence of Cy34.1 mAb.
Form:	Liquid
Conjugation:	None (AF/LE)
Size:	50 μ g, 500 μ g, 1mg
Host Species:	Mouse
Isotype:	Mouse IgG1, κ
Isotype Control:	AF/LE Purified Mouse IgG1, κ Isotype Control[MOPC-21] [Product AGEL2157]
Storage Buffer:	0.2 μ m filtered in PBS, pH 7.2. Azide Free (AF)/Low Endotoxin (LE): Contains no stabilizers or stabilizers. Endotoxin level is < 2 EU/mg as Determined by LAL gel clotting assay.
Shipping:	Biological ice pack at 4 $^{\circ}$ C

Stability & Storage: Keep as concentrated solution. Store at 2~8°C and protected from prolonged exposure to light. Do not freeze. Centrifuge before opening to ensure complete recovery of vial contents. This product is guaranteed up to one year from purchase.

Recommended Usage: Each lot of this antibody is quality control tested by flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is $\leq 0.25 \mu\text{g}$ per 10^6 cells in 100 μL volume or 100 μL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
