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Product name: Anti-Mouse CD22 Monoclonal Antibody(AF647
Conjugated)

Catalog: DL20373F

Synonyms: 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

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

Isotype: Mouse IgG1, κ

Size:

Host: Mouse

50Tests/100Tests/100Tests \times 2

Reactivity: Mouse

Application: FCM

Concentration: 5 μ L

Conjugation: AF647

SwissProt: P35329

Buffer: Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

Recommended Use:

Each lot of this antibody is quality control tested by flow cytometric analysis. The amount of the reagent is suggested to be used 5 μ L of antibody per test (million cells in 100 μ L staining volume or per 100 μ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

Storage:

Keep as concentrated solution.

Store at 2~8°C and protected from prolonged exposure to light. Do not freeze.

This product is guaranteed up to one year from purchase.