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

Catalog: DL20375F

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: 25 μ g/50 μ g/100 μ g/200 μ g

Host: Mouse

Reactivity: Mouse

Application: FCM

Concentration: 0.2 mg/mL

Conjugation: PE

SwissProt: P35329

Buffer: PBS with 0.05% Proclin300, 1% BSA

Recommended Use:

Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results or refer to the dilution we used in the experiment.

Data:

C57BL/6 murine splenocytes are stained with Anti-Mouse CD22 Monoclonal Antibody(PE Conjugated)[Used at 0.2 $\mu\text{g}/10^6$ cells dilution](filled gray histogram). Unstained splenocytes (empty black histogram) are used as control.

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.