

Manufacturer/Supplier:

WUXI DONGLIN SCI&TECH DEVELOPMENT CO., LTD

Address: A1-203 Mingpin CityII, No.8 Xihudong Road, Liangxi District
Wuxi Jiangsu Province, China

TELE: 86-510-82732223

FAX: 86-510-82720101-8014

Web : www.dldevelop.com

Email: info@dldevelop.com.cn service@dldevelop.com.cn

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

Catalog: DL20364F

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/100 μ g

Host: Mouse

Reactivity: Mouse

Application: FCM

Concentration: 0.5 mg/mL

Conjugation: Biotin

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. For flow cytometric staining, the suggested use of this reagent is $\leq 1.0 \mu\text{g}$ per 10^6 cells in $100 \mu\text{L}$ volume or $100 \mu\text{L}$ of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Storage:

Keep as concentrated solution.

Store at $2\sim 8^\circ\text{C}$ and protected from prolonged exposure to light. Do not freeze.

This product is guaranteed up to one year from purchase.