

Antibody Data

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| Product SKU: | AGEL0726 | Clone: | Cy34.1 |
| Applications: | FCM | | |
| Reactivity: | Mouse | | |

Important Note:

Centrifuge before opening to ensure complete recovery of vial contents.

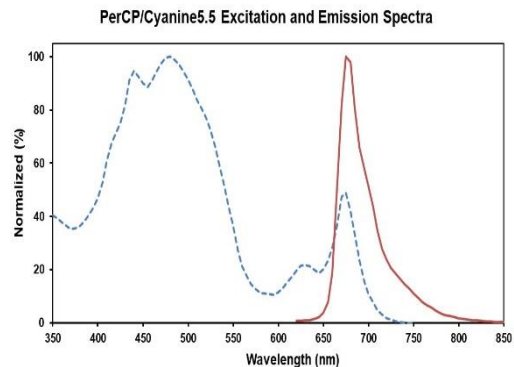
Product Information:

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; P35329

Uniprot ID:

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.

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| Form: | Liquid |
| Conjugation: | PerCP/Cyanine 5.5 |
| Size: | 50 Tests, 100 Tests, 200 Tests |
| Host Species: | Mouse |
| Isotype: | Mouse IgG1, κ |



Ex:440;480;675 nm; Em:675 nm

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|-------------------------|---------------------------------------------------------------------------------------------|
| Isotype Control: | PerCP/Cyanine5.5 Mouse IgG1, κ Isotype Control[MOPC-21] [Product AGEL0726] |
| Storage Buffer: | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant. |
| Shipping: | Biological ice pack at 4°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. 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.
