

**Antibody Data**

<b>Product SKU:</b>	<b>AGEL0722</b>	<b>Clone:</b>	<b>Cy34.1</b>
<b>Applications:</b>	<b>FCM</b>		
<b>Reactivity:</b>	<b>Mouse</b>		

**Important Note:**

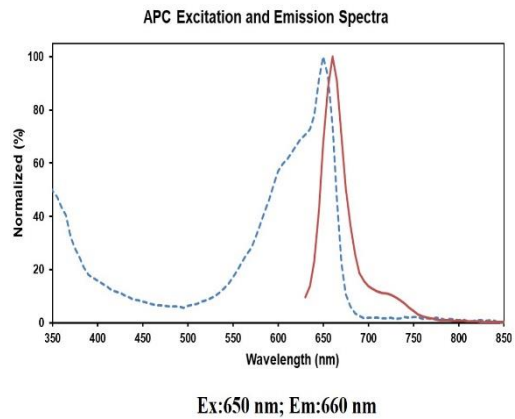
Centrifuge before opening to ensure complete recovery of vial contents.

**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  $\mu$  chain are augmented in the presence of Cy34.1 mAb.

<b>Form:</b>	Liquid
<b>Conjugation:</b>	APC
<b>Size:</b>	50 Tests, 100 Tests, 200 Tests
<b>Host Species:</b>	Mouse
<b>Isotype:</b>	Mouse IgG1, $\kappa$



<b>Isotype Control:</b>	APC Mouse IgG1, $\kappa$ Isotype Control[MOPC-21] [Product AGEL0722]
<b>Storage Buffer:</b>	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.
<b>Shipping:</b>	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  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.