CD22 (HIB22) Antibody

Subcategory: Mouse Monoclonal Antibody, PE-conjugated Antibody
Cat. No.: 251067
Unit: 2 ml

Description:
The CD22 (HIB22) antibody recognizes a 130-140 kDa type-I transmembrane glycoprotein that is a B cell restricted antigen. CD22 antigen is expressed in the cytoplasm of pro-B and pre-B cells, and on the surface of mature B lymphocytes. CD22 expression is increased after activation and lost at the terminal stage of B cell differentiation. Most B cell leukemias and lymphomas also express CD22. It is not expressed in T cells, monocytes and granulocytes. CD22 is an early marker for B-ALL and hairy-cell leukemia diagnostic. CD22 is an adhesion molecule that amplifies the signal of B cell activation. CD22 ligands are CD45RO antigen on T cells and CD75 antigen on B cells participating in the homotopic interaction of T and B cells.

Isotype: mouse IgG1
Applications: FC
Species Reactivity: H
Format: Each vial contains 2 ml IgG (100 tests) in PBS pH7.4, 0.1% BSA with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.
Alternate Names: B-cell receptor CD22; Sialic acid-binding Ig-like lectin 2; Siglec-2; Leu-14; B-lymphocyte cell adhesion molecule; BL-CAM; CD22; SIGLEC2
Accession No.: P20273

Application Notes: FC with whole blood: 100 ?l blood + 20 ?l antibody; FC with cells: 10E6 cells + 20 ?l antibody. FC: 1:200-1:1,000

Storage: Store at 4°C. Product is guaranteed 6 months from the date of shipment.

Product Citations: Schlossman S. et al., eds. 1995. Leucocyte Typing V: White Cell Differentiation Antigens. P246, Oxford University Press, New York

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