
CD22 (HIB22) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 250955

Unit: 0.1 mg

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 homotypic interaction of T and B cells.

Isotype: Mouse IgG1

Applications: E, FC, IHC

Species Reactivity: H

Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 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: Purified antibody is suitable for immunohistochemistry with acetone-fixed frozen sections. E: 1:500-1:1,000; FC: 1:200-1:1,000; IHC: 1:200-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year 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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