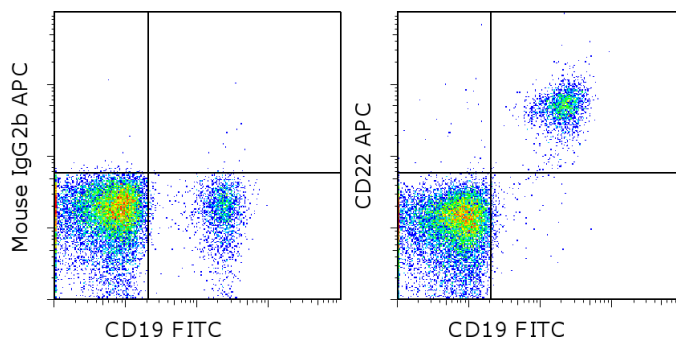


Anti-Human CD22 APC

Catalog Number: 17-4229

Also known as: siglec2, siglec 2

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of normal human peripheral blood cells with Anti-Human CD19 FITC (cat. 11-0199) and Mouse IgG2b K Isotype Control APC (cat. 17-4732) (left) or Anti-Human CD22 APC (right). Cells in the lymphocyte gate were used for analysis.

Product Information



Contents: Anti-Human CD22 APC

Catalog Number: 17-4229

Clone: S-HCL-1

Concentration: 5 µL (0.125 µg)/test

Host/Isotype: Mouse IgG2b, kappa



Formulation: aqueous buffer, 0.09% sodium azide, contains stabilizer if necessary

Temperature Limitation: Store at 2-8°C. Do not freeze. Light-sensitive material.



Batch Code: Refer to vial



Use By: Refer to vial

Description

The S-HCL-1 monoclonal antibody recognizes human CD22 (Siglec-2), which is a member of the siglec subgroup of the Ig superfamily. CD22 is a type I transmembrane glycoprotein composed of two polypeptide chains, CD22a and CD22β, of 130 and 140 kDa respectively, produced by alternative splicing of the CD22 gene. CD22 is expressed at high levels on mature B cells and B cell lymphomas. The extracellular portion of CD22 contains seven Ig-like domains, some of which are capable of binding ligands with sialic acid moieties expressed on epithelial, endothelial, B and T cells. The intracellular portion of CD22 contains 6 tyrosine residues contained within immunotyrosine-based inhibitory motifs (ITIM) and immunotyrosine-based activation-like motifs, which are phosphorylated upon B-cell receptor engagement, which enables CD22 to participate in the positive and negative regulation of B-cell receptor signaling.

Applications Reported

This S-HCL-1 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This S-HCL-1 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.125 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

References

Nitschke L. The role of CD22 and other inhibitory co-receptors in B-cell activation. Curr Opin Immunol. 2005 Jun;17(3):290-7. Review.

Foon KA, Todd RF 3rd. Immunologic classification of leukemia and lymphoma. Blood. 1986 Jul;68(1):1-31. (S-HCL-1, FC)

Schwartz R, Stein H, Wang CY. The monoclonal antibodies alpha S-HCL 1 (alpha Leu-14) and alpha S-HCL 3

Not for further distribution without written consent.

Copyright © 2000-2012 eBioscience, Inc.

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.ebioscience.com • info@ebioscience.com

Anti-Human CD22 APC

Catalog Number: 17-4229

Also known as: siglec2, siglec 2

RUO: For Research Use Only. Not for use in diagnostic procedures.

(alpha Leu-M5) allow the diagnosis of hairy cell leukemia. Blood. 1985 Apr;65(4):974-83.(S-HCL-1, FC)

Campana D, Janossy G, Bofill M, Trejdosiewicz LK, Ma D, Hoffbrand AV, Mason DY, Lebacqz AM, Forster HK. Human B cell development. I. Phenotypic differences of B lymphocytes in the bone marrow and peripheral lymphoid tissue. J Immunol. 1985 Mar;134(3):1524-30.

Related Products

11-0199 Anti-Human CD19 FITC (HIB19)

17-4732 Mouse IgG2b K Isotype Control APC