

APC Anti-Human CD22 Antibody[RFB 4]

Catalog Number: AN00402E

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

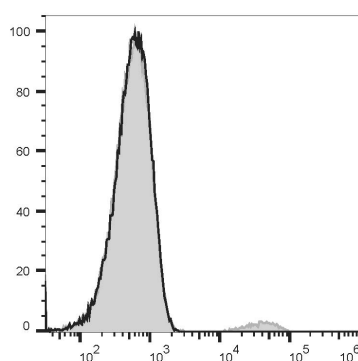
Reactivity	Human
Host	Mouse
Isotype	Mouse IgG1, κ
Clone No.	RFB 4
Isotype Control	APC Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792E]
Conjugation	APC
Conjugation Information	APC is designed to be excited by the Red (627-640 nm) laser and detected using an optical filter centered near 660 nm (e.g., a 660/20 nm bandpass filter).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

Applications

Recommended usage

FCM	Each lot of this antibody is quality control tested by flow cytometric analysis. The amount of the reagent is suggested to be used 5 μL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.
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Data



Staining of normal human peripheral blood cells with APC Anti-Human CD22 Antibody[RFB 4](filled gray histogram) or APC Mouse IgG1, κ Isotype Control (empty black histogram). Cells in the lymphocytes gate were used for analysis.

Preparation & Storage

Storage	Keep as concentrated solution. This product can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze.
Shipping	Ice bag

Antigen Information

Alternate Names	BL-CAM;Bgp135;LPAP;Lyb8;Siglec-2
Gene ID	933

For Research Use Only

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Rev. V1.2

Background

CD22 is also present in the cytoplasm of most B cells, throughout the majority of B cell developmental stages, excluding plasma cells. It functions as an inhibitory co-receptor in the regulation of B cell receptor signaling and has been reported to participate in B cell activation and adhesion. The cytoplasmic domain of CD22 contains immunoreceptor tyrosine based inhibitory motifs (ITIMs) that recruit phosphatases to attenuate signaling. Upon ligand or antibody engagement, CD22 undergoes rapid internalization, enabling efficient intracellular trafficking and degradation.