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30-2186: Anti-CD22 Monoclonal Antibody (Clone:MEM-01)-PE Conjugated

Clonality :	Monoclonal
Clone Name :	MEM-01
Application :	FACS
Reactivity :	Human
Conjugate :	PE
Gene :	CD22
Gene ID :	933
Uniprot ID :	P20273
Alternative Name :	CD22,SIGLEC2
Isotype :	Mouse IgG1
Immunogen Information :	Raji Burkitt's lymphoma cell line

Description

CD22, also known as Siglec-2 (sialic acid-binding immunoglobulin-like lectin-2) is a transmembrane glycoprotein binding alpha2,6-linked sialic acid-bearing ligands. Intracellular domain of CD22 recruits protein tyrosine phosphatase SHP-1 through the immunoreceptor tyrosine-based inhibitory motifs (ITIMs), thus setting a treshold for B cell receptor-mediated activation. CD22 also regulates B-cell response by involvement in controlling the CD19/CD21-Src-family protein tyrosine kinase amplification pathway and CD40 signaling. CD22 exhibits hallmarks of clathrin-mediated endocytic pathway.

Product Info

Amount :	100 tests
Storage condition :	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

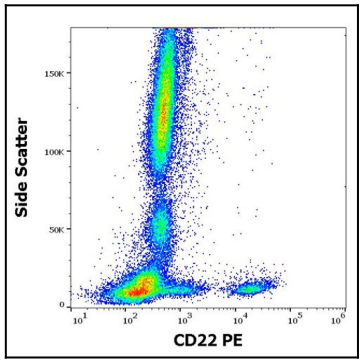


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD22 (MEM-01) PE antibody (20 µl reagent / 100 µl of peripheral whole blood).

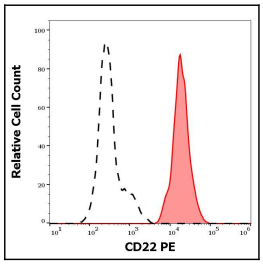


Figure 2: Separation of human CD22 positive lymphocytes (red-filled) from CD22 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD22 (MEM-01) PE antibody (20 µl reagent / 100 µl of peripheral whole blood).

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