Caprico Biotechnologies

TECHNICAL DATA SHEET

CD22 (MYG13)

Type	Size	Catalog number
Unconjugated	100µg	105101
	500µg	105103
FITC	25 tests	105114
	100 tests	105115
	200 tests	105116
PE	25 tests	105124
	100 tests	105125
	200 tests	105126
APC	25 tests	105144
	100 tests	105145
	200 tests	105146
PerCP-Cyanine 5.5	25 tests	105164
	100 tests	105165
	200 tests	105166
Biotin	100µg	105151

Antigen: CD22
Immunogen: Human Raji Cells
Host/Isotype: Mouse, IgG1, κ
Reactivity: Human
Purity: >90% pure tested via polyacrylamide gel electrophoresis (PAGE)
Formulation: PBS, pH7.2, 0.09%NaN_3 (unconjugated, Biotin)
PBS, pH7.2, 0.09% NaN_3 and 0.2% (w/v) BSA (conjugated)
Storage: Store at 2-8°C and protected from prolonged exposure to light. **Do not freeze.**
Applications: Flow Cytometry

Application Information

Each lot of these antibodies has been pre-titrated and tested by flow cytometric analysis of human PBMCs such that 0.5µg (unconjugated, Biotin) or 5µl (conjugated) of these products are sufficient for staining 1 million cells in a 100µl staining volume or 100µl of whole blood. It is recommended to titrate antibody reactivity empirically for optimal performance.

Antigen Information

The clone MYG13 recognizes the 130-140kDa CD22 cell surface antigen. The expression of CD22 is primarily restricted to the normal and neoplastic B cells but does not express on other hematopoietic cells. The initiation of expression of CD22 starts in the cytoplasm of pro-B and pre-B cells. Although CD22 is not expressed by plasma cells, it is abundantly expressed by the follicular mantle and marginal zone B-cells. As a member of the immunoglobulin superfamily, CD22 serves as an adhesion receptor for sialic acid-bearing ligands expressed on erythrocytes and leukocytes. The role of CD22 in the activation of B-cells is primarily associated with tyrosine kinases mediated signal transduction pathways.

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Feb. 2019

References

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2. Tedder TF et al. 1997. Annu Rev Immunol 15:481-504.
3. Cyster JG et al. 1997. Immunity, 6:509-517.
4. Tuscano JM et al. 1996. Eur J Immunol 26:1246-1252.
5. Sato S et al. 1998. Semin Immunol, 10:287-297.

Terms and Conditions

This product is for research use only (RUO) and not intended for diagnostic testing.

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