



Category:
Monoclonal Antibodies

Cat. #
V7097

Product Name:
CD22

Description:
Monoclonal Mouse Anti-Human CD22

Immunogen:
Raji (Burkitt's lymphoma) cells.

Application:
Immunohistochemistry 1:50-1:100 on frozen tissue only.
Flow Cytometry 1:150-1:300.

Species Reactivity:
Human. Others not tested.

Recommended Positive Control:
Tonsil, Spleen, Thymus, Lymph Node

Presentation:
20 mM tris-borate, 150 mM Sodium Chloride, dialyzed media RPMI 1640/D-MEM containing fetal bovine serum, BMC-6 carrier polysaccharides, carrier protein, and 0.05% Sodium Azide, pH 7.5.

Aliquoting Instructions:
Do not dilute the entire reconstituted solution at once. Withdraw aliquots as needed with a micropipette and keep concentrated stock at 4°C. Dilute according to the particular application being used. In general, the 0.05M borate pH 8.0 containing 0.15M sodium chloride, 0.02% sodium azide, is a good diluent to use with most antibodies.

Staining Procedure:
This antibody can be used on frozen tissue only. The antibody may be used at a dilution of 1:50-1:100. The optimal conditions should be determined by the individual laboratory.

Specificity:
This antibody reacts strongly with CD22. CD22 is expressed on in all B cell cytoplasm. It appears as CD19 on the cell surface in developing B cells. It can also be found on the cell surface of most mature sIg+ B cells and on hairy cell and prolymphocytic leukemia cells. On frozen sections, CD22 is found in follicular mantle and marginal zone B cells. There is weak reaction in germinal center B cells. This antibody can be used for typing of leukemia, assigning B cell lineage, and in flow cytometry to identify mature B cells. Also, it can be used to study B cell adhesion and to identify B cell lymphomas.

Storage:
Store at 2~8°C for short term, freeze under -20°C for long term storage.

Size: 0.2mg
Clone: B456 (FR10B4)
Isotype: IgG1
Conjugate: n/a
Host: Mouse
Form: Purified
Concentration: 0.5 mg/ml
Units On Hand: YES

References:
1. Knapp, W. et al, Leucocyte Typing IV, Oxford Univ. Press, 1989.
2. Schwarting, R. et al, Blood. 65:974, 1985.
3. Pezzutto, A. et al, J. Immunol. 138:98, 1987.
4. Pezzutto, A. et al, J. Immunol. 140:1791, 1988.

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