



Category: Monoclonal Antibodies **Cat. #** 1107NF- 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. When diluting for immunohistochemistry, ELISA or western blot, make the dilution in Antibody Diluting Buffer. Avoid diluting the entire contents of the vial at once since the diluted solution may have reduced stability.

Staining Procedure:

This antibody can be used on frozen tissue only. The antibody may be used at a dilution of 1:50-1:100 in IHC. 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 2~8o C for short term, freeze under -20oC for long term storage.

Size: 0.5 ml

Clone: B456 (FR10B4)

Isotype: IgG1

Conjugate: n/a

Host: Mouse

Form: Concentrated

Concentration: 0.3 mg/ml

Units On Hand: YES

References:

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

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