



Category: Monoclonal Antibodies **Cat. #** 1107NF-V7046 **Product Name:** B Cell Antigen

Description:
Monoclonal Mouse Anti-Human B Cell, B cell Antigen

Immunogen:
Human B cell line Daudi.

Application:
Immunohistochemistry; Western Blotting .

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 formalin-fixed, paraffin-embedded tissue sections. Prolonged fixation in buffered formalin can destroy the epitope. The antibody may be used in IHC. It is recommended that this product be used on frozen tissue sections or specimens. The optimal conditions should be determined by the individual laboratory.

Specificity:
This antibody defines the antigen which appears on B cell progenitors following HLA-DR and preceding CD10, CD19, CD22, CD 37 and cym. It is expressed on resting B cells and then reappears and persists in the cytoplasm and on the cell surface until cytoplasmic Ig appears. It is a useful antibody for studying B cell origins. It reacts with human B cell lines Daudi, Raji, Namalva, EB-3, RPMI-8226 (50% of cells). This antibody does not label neoplasms of T cell lines, blood granulocytes, thymocytes or bone marrow stromal fibroblasts. No significant changes are detected after PHA or ConA stimulation while LPS and PWM stimulated cultures after 18-48h show decreased number of antigen-positive cells but in final terms of cultivation antigen is expressed again.

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

Size: 0.5 ml
Clone: B381 (IPO10)
Isotype: IgG3
Host: Mouse
Form: Concentrated
Concentration: .3 mg/ml
Units On Hand: YES

References:
1. Gluzman, D.F., et.al. Monoclonal antibodies IPO-2, IPO-4 and IPO-10 against lymphocyte differentiation antigens. Tissue Antigens 33:151, 1989.
2. Sidorenko, S.P., et.al., Monoclonal antibodies of IPO series against B cell differentiation antigens in leukemia and lymphomaimmunophenotyping. Neoplasma 39: 3-9, 1992.

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