ALPHA DIAGNOSTIC INTERNATIONAL

Mouse Anti-Human CD20-PE conjugate

Catalog # **CD20P-100** **Size** **100 tests**
Catalog # **CD20P-25** **Size** **25 tests**

PRODUCT INFORMATION

CLONE: HI47
ISOTYPE: Mouse IgG3, κ
WS.No.: IV B104
Product Forms: Purified, FITC conjugation.

DESCRIPTION

CD20 McAb recognizes a 33-37 KD type □ unglycosylated phosphoprotein which crosses the cell membrane four times called TM4. CD20 antigen is expressed on pre-B cells, resting/activated B cells and corresponding neoplastic B cells, but is absent from plasma cells. The reactivity of HI47 McAb has a bit wide including some dendritic cells, endothelial cells on vessel, epithelial cells, some macrophages and some activated T cells. HI47 antigen is present on 8-16% of normal peripheral blood lymphocytes. CD20 functions the regulation of B lymphocyte activation and proliferation. HI47 McAb is a kind of inhibitory antibody.

PREPARATION

The monoclonal antibody is purified from ascites by protein G affinity chromatography and is conjugated with FITC under optimum conditions.

USAGE

The purified reagent is effective for indirect immunofluorescence staining of human cells for flow cytometric analysis and is tested for immunohistochemical staining of acetone-fixed frozen sections.
The conjugated reagent (FITC) is tested for flow cytometric analysis using 20μl/10^6 cells or 100μl peripheral blood cells.

STORAGE

For purified forms, long term storage at -20□.
For conjugated forms, storage at 4□, should not be frozen and avoid prolonged exposure to light.

REFERENCES

1. Yang XF., Shen DC., Jin YG., et al., 1990. Preparation and characterization of a monoclonal antibody HI47 direct to human B lymphocyte. Shanghai J. of Immunology. 10(2):65
2. Yang XF., Shen DC., Chen Z., et al., 1991. Effect of HI47(CD20) monoclonal antibody on human B lymphocyte activation and proliferation. Chinese J. of Immunology. 7(1):21
3. Knapp W., B.Dorken, E.P.Rieber, et al., eds. 1989.Leucocyte Typing □: White Cell Differentiation Antigens. P：21、46-50 Oxford University Press, New York.
4. Schlossman S., L.Bloumsell, W.Gilks, et al., eds. 1995. Leucocyte Typing □: White Cell Differentiation Antigens. P：491 Oxford University Press, New York.

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