

# Mouse Anti-Human CD20-PE-Cy5-conjugate

Catalog # CD20PC-100 Size 100 tests Catalog # CD20PC-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<sup>6</sup> cells or 100µl peripheral blood cells.

#### **STORAGE**

For purified forms, long term storage at  $-20\square$ .

For conjugated forms, storage at 4\subseteq, 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
- 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.
- Schlossman S., L.Bloumsell, W.Gilks, et al., eds. 1995. Leucocyte Typing □: White Cell Differentiation Antigens. P: 491 Oxford University Press, New York.