

## Mouse Anti Human CD20 Purified

### PRODUCT INFORMATION

<b>CLONE:</b>	HI47
<b>ISOTYPE:</b>	Mouse IgG3, $\kappa$
<b>WS.No.:</b>	IV B104
<b>CATALOG#:</b>	A7221/A7221-bulk
<b>CONTENTS:</b>	Purified antibody buffered in 10mM PBS (pH 7.0) with 0.1% NaN <sub>3</sub> .

### DESCRIPTION

CD20 McAb recognizes a 33-37 KD type III 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.

### USAGE

The purified is effective for indirect immunofluorescence staining of human cells for flow cytometric analysis and is tested for immunohistochemical staining of acetone-fixed frozen sections.

### STORAGE

Store at 4°C. For long-term storage aliquot and store at -20°C. Avoid freeze and thaw cycles.

### 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 IV: 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 V: White Cell Differentiation Antigens. P: 491 Oxford University Press, New York.

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