ALPHA DIAGNOSTIC INTERNATIONAL

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Catalog# **CD52UL-100** **Size** **100 ug**

Mouse Anti-Human CD52

PRODUCT INFORMATION

CLONE: HI186
ISOTYPE: Mouse IgG2b
WS.No.: 6T-057

Product Forms: Purified, FITC conjugation, PE conjugation.

DESCRIPTION

CD52 McAb recognizes a 25-29 KD glycosylphosphatidylinositol (GPI)-anchored single chain remarkably small glycoprotein, which is typically expressed at high levels on thymocytes, lymphocytes, NK cells, monocytes/macrophages at two percentage on some granulocytes, and epithelial cells of male reproductive tract and also expressed at variable on the majority of lymphoid malignancies, but not on erythrocytes and platelets. A somatic defect in the synthesis of GPI anchors (for example lymphocytes from patients with paroxysmal nocturnal haemoglobinuria (PNH)) may cause lack of expressing CD52 antigen on cell surface. So, CD52 may be used as an index to diagnose PNH besides CD55, CD59. All CD52 antibodies are characterized by a strong lytic activity with human complement, irrespective of antibody isotype.

PREPARATION

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

USAGE

The purified reagent is effective for indirect immunofluorescence staining of human tissue for flow cytometric analysis and is tested for immunohistochemical staining of acetone-fixed frozen sections and formalin–fixed paraffin sections.
The conjugated reagent (FITC, R-PE) 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

Tadamitsu K, K.Hitoshi, A.E.G.Kr.van dem Borne, et al., eds., 1997. Leucocyte Typing □: White Cell Differentiation Antigens. P：514—516，1152 Garland Publishing, Inc., New York.

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