



<b>Catalog#</b>	<b>CD52PC-100</b>	<b>Size</b>	<b>100 tests</b>
<b>Catalog#</b>	<b>CD52PC-25</b>	<b>Size</b>	<b>25 tests</b>

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**Mouse Anti-Human CD52-PE Cy5 conjugate**

**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<sup>6</sup> cells or 100µl peripheral blood cells.

**STORAGE**

For purified forms, long term storage at -20°C.

For conjugated forms, storage at 4°C, 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 II: White Cell Differentiation Antigens. P: 514—516, 1152 Garland Publishing, Inc., New York.