Catalog# **CD45UL-100** **Size** **100 tests**

Mouse Anti-Human CD45

PRODUCT INFORMATION

CLONE: HI30
ISOTYPE: Mouse IgG1, κ
WS.No.: IV N816
Product Forms: Purified, FITC conjugation, PE conjugation, PE-Cy5 conjugation.
SIZE: 25 Tests

DESCRIPTION

CD45 McAb recognizes 180, 190, 205 and 220KD long single chain type I transmembrane glycoprotein called leukocyte common antigen (LCA). LCA is typically at high levels on all nucleated hematopoietic cells including bone marrow cells, thymocytes, lymphocytes, monocytes, granulocytes, but not on mature erythrocytes, platelets and non-hematopoietic tissues and cells. CD45 is critically required for T and B cell antigen receptor-mediated activation.

PREPARATION

The monoclonal antibody is purified from ascites by protein G affinity chromatography and is conjugated with FITC, R-PE, PE-Cy5 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 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.
The conjugated reagent (PE-Cy5) is tested for flow cytometric analysis using 10μl/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. Shen DC., Chen Z., Bai JF., et al., 1991. Properties and preliminary application of three monoclonal antibodies of non-lineage antigens- CD45, CD45R and CD53. J. Monoclonal Antibody. 7(1):53
2. Knapp W., B.Dorken, E.P.Rieber, et al., eds. 1989.Leucocyte Typing ☐: White Cell Differentiation Antigens. P 628, 1086 Oxford University Press, New York.
3. Tadamitsu K, K.Hitoshi, A.E.G.Kr.van dem Borne, et al., eds. 1997. Leucocyte Typing ☐: White Cell Differentiation Antigens. P: 499—501, 1144 Garland Publishing, Inc., New York.

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