ALPHA DIAGNOSTIC INTERNATIONAL

Catalog# Cd45RAP-100 Size 100 tests
Catalog# Cd45RAP-25 Size 25 tests

Mouse Anti-Human CD45RA-PE conjugate

PRODUCT INFORMATION

CLONE: HI100
ISOTYPE: Mouse IgG2a, κ
WS.No.: IV N906
Product Forms: Purified, FITC conjugation, PE conjugation.
SIZE: 25 Tests

DESCRIPTION

CD45RA McAb recognizes the 205/220KD isoform of leukocyte common antigens expressed on about 40-50% of peripheral $CD4^+$ T cells, 50% of peripheral $CD8^+$ Tcells and on a portion of B cells and monocytes. Studies have shown that expression of different isoform is characteristic of differentiated subset of hematopoietic cells (for instance CD45RA on naïve/ resting T cells and CD45RD on memory/ activated T cells; CD45RA on medullary thymocytes and CD45RD on cortical thymocytes). It is also reported that the pattern of 87% of B-ALL is $CD45RA^+$/ $CD45RO^-$, 70% of T-ALL is $CD45RA^-$/ $CD45RD^+$ and 78% of B-ALL is $CD45RA^+$/ $CD45RO^+$.

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 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.

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：631 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：500—501，1144 Garland Publishing, Inc., New York.