



Catalog#	CD53PC-100	Size	100 tests
Catalog#	CD53PC-25	Size	25 tests

Mouse Anti-Human CD53-PE Cy5 conjugate

PRODUCT INFORMATION

CLONE: HI29
ISOTYPE: Mouse IgG1
WS.No.: CD53.3

Product Forms: Purified.

DESCRIPTION

CD53 McAb recognizes a 32-42KD type III, tetraspan membrane glycoprotein called TM4. CD53 antigen appears to be the marker with the strictest specificity for hematopoietic cells expressing on all leucocytes including plasma cells, but not on platelets, erythrocytes and non-hematopoietic cells. CD53 mediates signal transduction.

PREPARATION

The monoclonal antibody is purified from ascites by protein G affinity chromatography.

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.

STORAGE

For purified forms, long term storage at -20oC.

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
- Knapp, W., B.Dorken, E.P.Rieber, et al., eds. 1989. Leucocyte Typing □: White Cell Differentiation Antigens. P: 674—677, 1088 Oxford University Press, New York.