



PRODUCT INFORMATION

Mouse Anti-Human CD1a-PE-Cy5-conjugate

Cat# CD01APC-100 **Size** 100 Tests
Cat# CD01APC-25 **Size** 25 Tests

CLONE: HI149
ISOTYPE: Mouse IgG1, κ
WS.No.: V5T CD01.01
Product Forms: Purified unlabeled, PE conjugation, PE-Cy5 conjugation

DESCRIPTION

CD1a McAb recognizes a 49 KD polypeptide associated with β 2-microglobulin (β_2m) expressed on cortical thymocytes (strongly), langerhans cells, dendritic cells, some T cell leukemias and lymphomas. CD1a McAb does not react with peripheral blood T and B lymphocytes, monocytes, granulocytes, platelets and erythrocytes. CD1a antigen has specialized role in presentation of lipid antigens.

PREPARATION

The monoclonal antibody is purified from ascites by protein G affinity chromatography and is conjugated with 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. The conjugated reagent (R-PE) is tested for flow cytometric analysis using $20\mu\text{l}/10^6$ cells or $100\mu\text{l}$ 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

1. Shen DC., She M., Zhang JX., et al., 1993. Preparation, identification and preliminary application of McAb HI149 against CD1a different epitope. J. of Monoclonal Antibody. 9(2):45
2. Schlossman S., L. Bloumsell, W. Gilks, et al., eds. 1995. Leucocyte Typing \square : White Cell Differentiation Antigens. P: 245, 260 Oxford University Press, New York.

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