



Mouse Anti Human CD1a PE

PRODUCT INFORMATION

CLONE: HI149
ISOTYPE: Mouse IgG1, κ
WS.No.: V5T CD01.01
CATALOG#: A6023/A6033
CONTENTS: R-PE conjugated antibody buffered in 10mM PBS (pH 7.0) with 0.05% NaN₃ and 1% BSA.

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 R-PE conjugation is tested for flow cytometric analysis using 20 μ l/10⁶ cells or 100 μ l peripheral blood cells.

STORAGE

Store 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 V: White Cell Differentiation Antigens. P: 245, 260 Oxford University Press, New York.

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