



## Mouse Anti Human CD1a Purified

### PRODUCT INFORMATION

**CLONE:** HI149  
**ISOTYPE:** Mouse IgG1,  $\kappa$   
**WS.No.:** V5T CD01.01  
**CATALOG#:** A6021/ A6021-bulk  
**CONTENTS:** Purified antibody buffered in 10mM PBS (PH 7.0) with 0.1% NaN<sub>3</sub>.

### DESCRIPTION

CD1a McAb recognizes a 49 KD polypeptide associated with  $\beta$ 2-microglobulin( $\beta_2m$ ) 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.

### 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

Store at 4°C. For long-term storage aliquot and store at -20°C. Avoid freeze and thaw cycles.

### 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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