



Mouse Anti Human HLA-I FITC

PRODUCT INFORMATION

CLONE: HI21
ISOTYPE: Mouse IgG1
WS.No.: III158
CATALOG#: A7142/A7152
CONTENTS: FITC conjugated antibody buffered in 10mM PBS (pH 7.0) with 0.05% NaN₃ and 1% BSA.

DESCRIPTION

Anti-HLA class I McAb recognizes class I major histocompatibility complex (or human leucocyte antigen) monomorphic antigen which expresses widely on human nucleated cells such as lymphocytes, monocytes/ macrophages, dendritic cells and other hematopoietic and non- hematopoietic nucleated cells, and platelets. The expression of HLA-I antigen varies with cell types and decreases with cell maturation, such as less expression on mature granulocytes and almost losing on mature erythrocytes. HLA-I antigen is also expressed on most cells of human leukemic cell lines, but not or little on the cells of Daudi and K562 cell lines and is absent from nerve cells. In addition to membrane HLA-I antigen, soluble form of HLA-I can be detected in serum (or plasma).

PREPARATION

The monoclonal antibody is purified from ascites by protein G affinity chromatography and is conjugated with FITC under optimum conditions.

USAGE

The FITC 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. Chen Z., Bao ZX., Yu AX., et al., 1987. A group monoclonal antibodies against human platelets with different functions. Chinese Science Bulletin. 24:1902
2. Mcmichael JA, P.C.L. Beverley,s.Cobbold,et al, eds. 1986 leucocyte typing III white cell differentiation antigens. P:59,70

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