



Mouse Anti Human CD4 Purified

PRODUCT INFORMATION

CLONE: HIT4a
ISOTYPE: Mouse IgG2b, κ
WS.No.: V 5T CD04.08, 6T-001
CATALOG#: A6081/A6081-bulk
CONTENTS: Purified antibody buffered in 10mM PBS (pH 7.0) with 0.1% NaN₃.

DESCRIPTION

CD4 McAb recognizes a 55 KD type I single-chain transmembrane glycoprotein. CD4 antigen is a coreceptor for HLA class II molecule and HIV (human immunodeficiency virus-AIDS virus), which is present on 35%-50% (about two-thirds of peripheral T cells) of peripheral blood lymphocytes-T helper/inducer(Th/Ti), 70%-80% of thymocytes and in low density on the peripheral blood monocytes and tissue macrophages. Th/Ti plays a role in helping Ig production by B lymphocytes and in enhancing the maturation and in increasing effectiveness of cytotoxic CD8 T cells.

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.

STORAGE

Store at 4°C. Long term storage at -20°C. Avoid freeze and thaw cycles.

REFERENCES

Tadamitsu K, K.Hitoshi, A.E.G.Kr.van dem Borne, et al., eds. 1997. Leucocyte Typing VI: White Cell Differentiation Antigens. P: 49-52, 113-114 Garland Publishing, Inc., New York.

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