



Mouse Anti Human CD4 APC

PRODUCT INFORMATION

CLONE: HIT4a
ISOTYPE: Mouse IgG2b, κ
WS.No.: V 5T CD04.08, 6T-001
CATALOG#: A6085/A6095
CONTENTS: APC conjugated antibody in 10mM PBS (pH 7.0) with 0.05% NaN_3 and 1% BSA.

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 and is conjugated with APC under optimum conditions.

USAGE

The APC conjugation is tested for flow cytometric analysis using $20\mu\text{l}/10^6$ cells or $100\mu\text{l}$ peripheral blood cells.

STORAGE

Store at 4°C , should not be frozen and avoid prolonged exposure to light.

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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