CD4 (HIT4a) Antibody

Subcategory: FITC-conjugated Antibody, Mouse Monoclonal Antibody
Cat. No.: 250992
Unit: 2 ml

Description:
The CD4 (HIT4a) Antibody recognizes a 55 kDa type-I single-chain transmembrane glycoprotein. CD4 antigen is a coreceptor for HLA class II molecule and HIV (human immunodeficiency virus), which is present on 35-50% 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 helps Ig production by B lymphocytes by enhancing maturation and increasing effectiveness of cytotoxic CD8 T cells.

Isotype: Mouse IgG2b
Applications: FC
Species Reactivity: H
Format: Each vial contains 2 ml IgG (100 tests) in PBS pH7.4, 0.1% BSA with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.
Alternate Names: T-cell surface glycoprotein CD4; T-cell surface antigen T4/Leu-3; CD4
Accession No.: P01730

Application Notes: FC with whole blood: 100 ?l blood + 20 ?l antibody; FC with cells: 10E6 cells + 20 ?l antibody. FC: 1:200-1:1,000

Storage: Store at 4°C. Product is guaranteed 6 months from the date of shipment.

Product Citations: [1] Zhang J et al. 2012. Biomedical and Life Sceinces. Molecular Biology Reports. 40(2):949-956. PMID# 23065281 [2] Tadamitsu K. et al., eds. 1997. Leucocyte Typing VI: White Cell Differentiation Antigens. P49-52, 113-114

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