



## Mouse Anti Human CD4 PE

### PRODUCT INFORMATION

**CLONE:** HIT4a  
**ISOTYPE:** Mouse IgG2b,  $\kappa$   
**WS.No.:** V 5T CD04.08, 6T-001  
**CATALOG#:** A6083/A6093  
**CONTENTS:** R-PE conjugated antibody in 10mM PBS (pH 7.0) with 0.05% NaN<sub>3</sub> 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 R-PE under optimum conditions.

### USAGE

The R-PE conjugation is tested for flow cytometric analysis using 20 $\mu$ l/10<sup>6</sup> cells or 100 $\mu$ 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.

Use For Research Only