

anti-human CD4 PE-conjugated

PE- conjugated monoclonal antibody HIT4a to human CD4

Cat-No: **21810044**

500 µl

Clone: HIT4a

Specificity: 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 subclass: Mouse IgG2b, k

Form: The purified antibody is conjugated with R-Phycoerythrin (R-PE) under optimum conditions. The reagent is adjusted for direct use. No reconstitution is necessary.

Physical state: Liquid

Buffer/Additives/Preservative: PBS containing 1% BSA and 0.09% sodium azide (pH 7.2)

Expiration date: The reagent is stable until the expiry date stated on the vial label

Storage conditions: Store at 4 °C. Avoid prolonged exposure to light.

Application: Flow Cytometry

References:

Tadamitsu K. et al., eds. 1997. Leucocyte Typing VI: White Cell Differentiation Antigens. P49-52, 113-114
Garland Publishing, Inc., New York.

Warning: Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

This material is offered for **research use only**. Not for use in human. For in vitro use only. ImmunoTools will not be held responsible for patent infringement or other violations that may occur with the use of our products.

ImmunoTools Excellent Quality - Advantageously priced

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