anti-mouse CD4 PE-conjugated

PE-conjugated monoclonal antibody YTS 191.1.2 to mouse CD4

Cat-No: LT44005122G

Clone: YTS 191.1.2

500 µl

Specificity: The CD4 (L3/T4) antigen is thought to be the murine equivalent of the human Leu3/OKT4 antigen. This T cell surface molecule appears to be expressed by the helper/inducer subset of murine T cells and by delayed hypersensitivity T cells but not by cytotoxic T cells or their precursors. CD4 (L3/T4) and CD8a (Ly2) have been shown to be present on mutually exclusive T cells in the peripheral lymphoid organs but the thymus contains cells expressing both CD4 (L3/T4) and CD8a (Ly2). The anti-mouse CD4 (L3/T4) mAb binds to approximately 85% of mouse thymocytes, 20% splenocytes, 50% lymph node cells, and a small number of bone marrow cells. It detects a protein of approximately 52 kDa on SDS-PAGE “Western Blots” (from Con A blast cell membranes) and is therefore similar to a well characterized human Leu3/T4 antigen.

Isotype subclass: Rat IgG2b

Form: The purified antibody is conjugated with R-Phycoerythrin (R-PE) under optimum conditions. The reagent is free of unconjugated R-PE and 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


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.
Excellent Quality - Advantageously priced

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