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Biotin Anti-Human CD4 Antibody[RPA-T4]

Catalog Number: E-AB-F1109B

Note: Centrifuge before opening to ensure complete recovery of vial contents.

RPA-T4

Description

Clone No.

Reactivity Human Mouse Host

Isotype Mouse IgG1, ĸ

Biotin Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09793B] Isotype Control

Conjugation

Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

Applications Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. For flow **FCM**

> cytometric staining, the suggested use of this reagent is $\leq 1.0 \,\mu g$ per 10^6 cells in $100 \,\mu L$ volume or 100 µL of whole blood. It is recommended that the reagent be titrated for

optimal performance for each application.

Preparation & Storage

Storage Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Do not freeze.

Shipping Ice bag

Antigen Information

Alternate Names CD4;T-cell surface antigen T4/Leu-3;T-cell surface glycoprotein CD4

Uniprot ID P01730 Gene ID 920

Background CD4, also known as T4/Leu-3, is a 55 kD single-chain type I transmembrane

> glycoprotein and member of the immunoglobulin superfamily. It is expressed on most thymocytes, helper T cells, type II NKT cells, and monocytes/macrophages. CD4 is part of the TCR/CD3 complex, binds to $\beta2$ domain from the MHC class II molecule, and participates in TCR signal transduction. CD4 is the receptor of IL-16 and is a coreceptor for the human immunodeficiency virus (HIV) and human herpes virus 7 (

HHV-7).

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