

Biotin Anti-Human CD4 Antibody[RPA-T4]

Catalog Number: E-AB-F1109B

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

Description

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| Reactivity | Human |
| Host | Mouse |
| Isotype | Mouse IgG1, κ |
| Clone No. | RPA-T4 |
| Isotype Control | Biotin Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09793B] |
| Conjugation | Biotin |
| Storage Buffer | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant. |

Applications

Recommended usage

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| FCM | Each lot of this antibody is quality control tested by flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is $\leq 1.0 \mu\text{g}$ per 10^6 cells in 100 μL volume or 100 μL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. |
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Preparation & Storage

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| 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

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| 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 $\beta 2$ 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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