

Purified Anti-Human CD4 Antibody[RPA-T4]

catalog number: E-AB-F1109A

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

Description

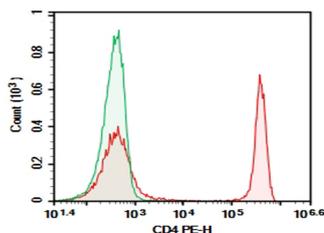
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|---------------------|---|
| Reactivity | Human |
| Immunogen | Recombinant Human CD4 protein |
| Host | Mouse |
| Isotype | Mouse IgG1, κ |
| Clone | RPA-T4 |
| Purification | >98%, Protein A/G purified |
| Buffer | Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely remove the stabilizer prior to labeling. |

Applications

Recommended Dilution

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|------------|---|
| FCM | 2 $\mu\text{g/mL}$ (0.5×10^6 - 1×10^6 cells) |
|------------|---|

Data



Human peripheral blood lymphocytes were stained with 0.2 μg Purified Anti-Human CD4 Antibody[RPA-T4](Right) and 0.2 μg Mouse IgG1, κ Isotype Control(Left), followed by PE-conjugated Goat Anti-Mouse IgG Secondary Antibody.

Preparation & Storage

| | |
|-----------------|--|
| Storage | Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles. |
| Shipping | Ice bag |

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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