# PE Anti-Human/Monkey CD4 Antibody[SK3]

**Catalog Number:** E-AB-F1352D

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

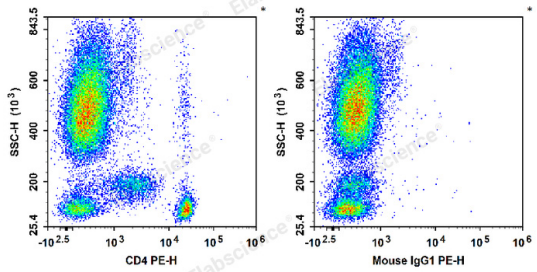
## Description

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| **Reactivity** | Human;Rhesus;Cynomolgus |
| **Host** | Mouse |
| **Isotype** | Mouse IgG1, κ |
| **Clone No.** | SK3 |
| **Isotype Control** | PE Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792D] |
| **Conjugation** | PE |
| **Conjugation Information** | PE is designed to be excited by the Blue (488 nm), Green (532 nm) and Yellow-Green (561 nm) lasers and detected using an optical filter centered near 575 nm (e.g., a 585/42 nm bandpass filter). |
| **Storage Buffer** | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. |

## Applications — Recommended usage

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| **FCM** | Each lot of this antibody is quality control tested by flow cytometric analysis. **The amount of the reagent is suggested to be used 5 μL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood).** Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. |

## Data




Human peripheral blood leucocytes are stained with PE Anti-Human/Monkey CD4 Antibody (Left). Leucocytes are stained with PE Mouse IgG1, κ Isotype Control (Right).

## Preparation & Storage

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| **Storage** | Keep as concentrated solution.<br>This product can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze. |
| **Shipping** | Ice bag |

## Antigen Information

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|---|---|
| **Alternate Names** | T-cell surface antigen T4/Leu-3;T-cell surface glycoprotein CD4 |
| **Uniprot ID** | P01730 |
| **Gene ID** | 920 |


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**Background**

CD4, also known as T4, is a 55 kD single-chain type I transmembrane glycoprotein expressed on most thymocytes, a subset of T cells, and monocytes/macrophages. CD4, a member of the Ig superfamily, recognizes antigens associated with MHC class II molecules and participates in cell-cell interactions, thymic differentiation, and signal transduction. CD4 acts as a primary receptor for HIV, binding to HIV gp120. CD4 has also been shown to interact with IL-16.


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