# FITC Anti-Human CD4 Antibody[SK3]

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| **Catalog No.** | E-AB-F1352C | **Reactivity** | Human |
| **Storage** | Store at 2~8℃, Avoid freeze / thaw cycles | **Applications** | FCM |

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

## Antigen Information

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

## Product Details

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| **Form** | Liquid |
| **Size** | 20Tests/100Tests/100Tests×2 |
| **Clone No.** | SK3 |
| **Host** | Mouse |
| **Isotype** | Mouse IgG1, κ |
| **Reactivity** | Human |
| **Application** | FCM |
| **Isotype Control** | FITC Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792C] |
| **Storage Buffer** | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant. |
| **Shipping** | Biological ice pack at 4 ℃ |
| **Stability & Storage** | Keep as concentrated solution.<br>Store at 2~8℃ and protected from prolonged exposure to light.Do not freeze.<br>This product is guaranteed up to one year from purchase. |

## Fluorophore

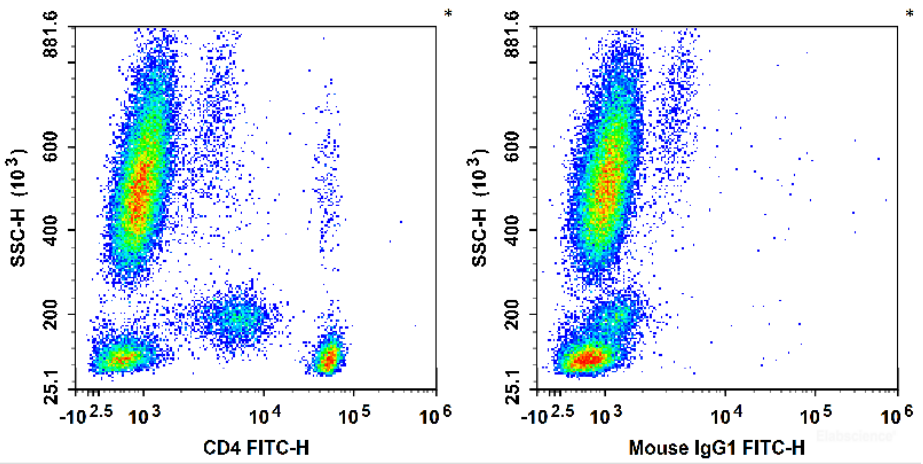
**Conjugation:** FITC

FITC is designed to be excited by the Blue laser (488 nm) and detected using an optical filter centered near 530 nm (e.g., a 525/40 nm bandpass filter).

## Recommended usage

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.

## Product data




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

## Related Information

1. Sample Preparation for Flow Cytometry https://www.elabscience.com/List-detail-5594.html
2. Staining Cell Surface Targets for Flow Cytometry https://www.elabscience.com/List-detail-5568.html
3. Flow Cytometry Troubleshooting Tips https://www.elabscience.com/List-detail-5593.html
4. How to select the appropriate detection channel through the spectrogram? https://www.elabscience.com/List-detail-459742.html