# **Elabscience**®

# FITC Anti-Human CD4 Antibody[SK3]

Catalog No.E-AB-F1352CStorageStore at 2~8°C, Avoid freeze / thaw cycles

Reactivity Applications

Human FCM

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

#### **Antigen Information**

Alternate Names Uniprot ID	T-cell surface glycoprotein CD4,T-cell surface antigen T4/Leu-3 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**

Form	Liquid
Size	20Tests/100Tests/100Tests×2
Clone No.	SK3
Host	Mouse
Isotype	Mouse IgG1, ĸ
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 °C
Stability & Storage	Keep as concentrated solution.
	Store at 2~8°C and protected from prolonged exposure to light.Do not freeze.
	This product is guaranteed up to one year from purchase.

For Research Use Only

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# Fluorophore

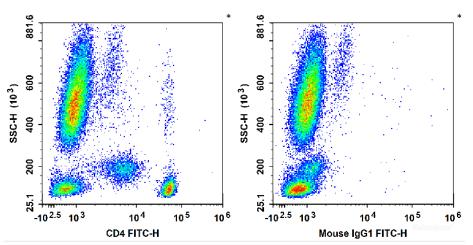
#### **Conjugation:** FITC

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  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ L 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? <u>https://www.elabscience.com/List-detail-459742.html</u>