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# Elab Fluor® 647 Anti-Human CD4 Antibody[SK3]

Catalog No.E-AB-F1352MReactivityHumanStorageStore at 2~8°C, Avoid freeze / thaw cyclesApplicationsFCM

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

## **Antigen Information**

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**

Form Liquid

Size 20Tests/100Tests/100Tests×2

Clone No. SK3
Host Mouse

**Isotype** Mouse IgG1,  $\kappa$ 

**Reactivity** Human **Application** FCM

Isotype ControlElab Fluor® 647 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792M]Storage BufferPhosphate 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

 Toll-free: 1-888-852-8623
 Tel: 1-832-243-6086
 Fax: 1-832-243-6017

 Web: <a href="https://www.elabscience.com">www.elabscience.com</a>
 Email: <a href="mailto:techsupport@elabscience.com">techsupport@elabscience.com</a>

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# **Fluorophore**

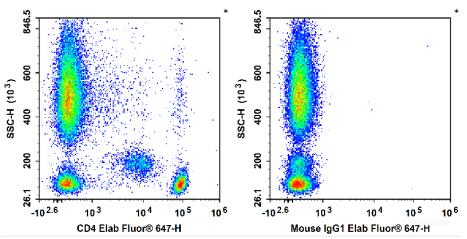
Conjugation: Elab Fluor® 647

Elab Fluor $^{\odot}$  647 is designed to be excited by the Red laser (627-640 nm) and detected using an optical filter centered near 670 nm (e.g., a 660/20 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 Elab Fluor<sup>®</sup> 647 Anti-Human CD4 Antibody (Left). Leucocytes are stained with Elab Fluor<sup>®</sup> 647 Mouse IgG1, κ Isotype Control (Right).

### **Related Information**

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

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