

A Reliable Research Partner in Life Science and Medicine

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

Catalog Number: E-AB-F1352M

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

# Description

Reactivity Human;Rhesus;Cynomolgus

**Host** Mouse

**Isotype** Mouse IgG1, κ

Clone No. SK3

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

Conjugation Elab Fluor® 647

**Conjugation Information** Elab Fluor<sup>®</sup> 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).

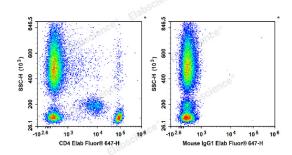
**Storage Buffer** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

### Applications Recommended usage

**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  $\mu$ 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.

#### 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).

## **Preparation & Storage**

**Storage** Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping Ice bag

#### **Antigen Information**

Alternate Names T-cell surface antigen T4/Leu-3;T-cell surface glycoprotein CD4

 Uniprot ID
 P01730

 Gene ID
 920

# For Research Use Only

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#### Elabscience Bionovation Inc.

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# **Background**

Elabscience®

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.