

A Reliable Research Partner in Life Science and Medicine

Elab Fluor® Violet 540 Anti-Human CD4 Antibody[SK3]

Catalog Number: E-AB-F1352T3

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® Violet 540 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-

F09792T31

Conjugation Elab Fluor® Violet 540

Conjugation Information Elab Fluor® Violet 540 is designed to be excited by the violet laser (405 nm) and detected

using an optical filter centered near 548 nm (e.g., a 572/28 nm bandpass filter).

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

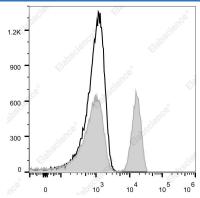
Applications Recommended usage

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 μ L of antibody per test (million cells in 100 μ L staining volume or per 100 μ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for

individual use.

Data



Staining of normal human peripheral blood cells with Elab

Fluor[®] Violet 540 Anti-Human CD4 Antibody[SK3](filled gray histogram) or Elab Fluor[®] Violet 540 Mouse IgG1, κ Isotype Control(empty black histogram). Cells in the

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

lymphocytes gate were used for analysis.

Antigen Information

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

Uniprot ID P01730

For Research Use Only

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Gene ID

Background

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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.