

A Reliable Research Partner in Life Science and Medicine

PE Anti-Human CD4 Antibody[SK3]

Catalog Number: E-AB-F1352D

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 PE Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792D]

Conjugation PE

Conjugation Information PE is designed to be excited by the Blue (488 nm), Green (532 nm) and Yellow-Green

(561 nm) lasers and detected using an optical filter centered near 575 nm (e.g., a 585/42

nm bandpass filter).

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

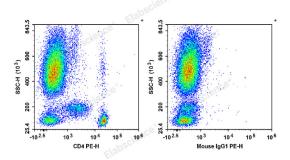
Applications Recommended usage

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



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

Preparation & Storage

Storage Keep as concentrated solution.

This product can be stored at 2-8 $^{\circ}\text{C}$ for 12 months. Please protected from prolonged

Rev. V1.6

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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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.

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