

A Reliable Research Partner in Life Science and Medicine

# APC Anti-Human CD4 Antibody[SK3]

Catalog Number: E-AB-F1352E

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

#### Description

Reactivity Human; Rhesus; Cynomolgus

Host Mouse

Mouse IgG1, κ Isotype

Clone No. SK3

APC Mouse IgG1, k Isotype Control[MOPC-21] [Product E-AB-F09792E] Isotype Control

Conjugation

**Conjugation Information** APC is designed to be excited by the Red (627-640 nm) laser and detected using an

optical filter centered near 660 nm (e.g., a 660/20 nm bandpass filter).

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

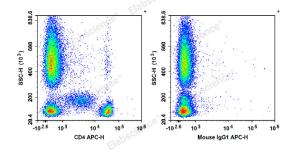
#### **Applications** Recommended usage

**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 µL of antibody per test (million cells in 100 μL staining volume or per 100 μL 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 APC Anti-Human CD4 Antibody (Left). Leucocytes are stained with APC Mouse IgG1, κ Isotype Control (Right).

#### **Preparation & Storage**

Keep as concentrated solution. Storage

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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Rev. V1.6

#### **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.

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