

A Reliable Research Partner in Life Science and Medicine

# Elab Fluor® Violet 610 Anti-Human CD4 Antibody[RPA-T4]

Catalog Number: E-AB-F1109T

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

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Reactivity Human Host Mouse

**Isotype** Mouse IgG1, κ

Clone No. RPA-T4

Isotype Control Elab Fluor® Violet 610 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-

F09792T]

**Conjugation** Elab Fluor<sup>®</sup> Violet 610

**Conjugation Information** Elab Fluor® Violet 610 is designed to be excited by the violet laser (405 nm) and detected

using an optical filter centered near 613 nm (e.g., a 615/20 nm bandpass filter).

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

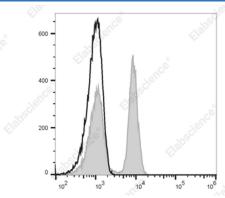
#### Applications Recommended usage

**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



Staining of normal human peripheral blood cells with Elab

Fluor<sup>®</sup> Violet 610 Anti-Human CD4 Antibody[RPA-T4] (filled gray histogram) or Elab Fluor<sup>®</sup> Violet 610 Mouse IgG1, κ Isotype Control (empty black histogram). Cells in the lymphocytes gate were used for analysis.

## **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 CD4;T-cell surface antigen T4/Leu-3;T-cell surface glycoprotein CD4

Uniprot ID P01730

# For Research Use Only

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#### **Elabscience Bionovation Inc.**



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# Gene ID Background

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CD4, also known as T4/Leu-3, is a 55 kD single-chain type I transmembrane glycoprotein and member of the immunoglobulin superfamily. It is expressed on most thymocytes, helper T cells, type II NKT cells, and monocytes/macrophages. CD4 is part of the TCR/CD3 complex, binds to  $\beta2$  domain from the MHC class II molecule, and participates in TCR signal transduction. CD4 is the receptor of IL-16 and is a coreceptor for the human immunodeficiency virus (HIV) and human herpes virus 7 ( HHV-7).