

A Reliable Research Partner in Life Science and Medicine

# PE/Elab Fluor® 594 Anti-Mouse CD4 Antibody[RM4-4]

Catalog Number: AN00417P

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

### Description

Reactivity Mouse Host Rat

Isotype Rat IgG2b, κ
Clone No. RM4-4

Isotype Control

PE/Elab Fluor<sup>®</sup> 594 Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09842P]

Conjugation PE/Elab Fluor® 594

Conjugation Information PE/Elab Fluor® 594 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 620 nm

(e.g., a 610/20 nm bandpass filter).

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

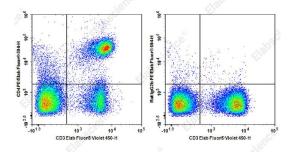
#### Applications Recommended usage

**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 C57BL/6 murine splenocytes cells with APC Anti-

Mouse CD3 Antibody and PE/Elab Fluor<sup>®</sup> 594 Anti-Mouse CD4 Antibody[RM4-4] (left) or PE/Elab Fluor<sup>®</sup> 594 Rat IgG2b, κ Isotype Control (right). Total viable cells 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 L3T4;T4
Uniprot ID P06332

#### For Research Use Only

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

Web:www.elabscience.com Email:techsupport@elabscience.com

# Elabscience®

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

A Reliable Research Partner in Life Science and Medicine

Gene ID

Background

12504

CD4 is a 55 kD protein, also known as L3T4 or T4. It is a member of the Ig superfamily, primarily expressed on most thymocytes and a subset of T cells, and weakly on macrophages and dendritic cells. It acts as a coreceptor with the TCR during T cell activation and thymic differentiation by binding MHC class II and associating with the protein tyrosin kinase, Ick.