

A Reliable Research Partner in Life Science and Medicine

# Elab Bright™ Violet 510 Anti-Mouse CD4 Antibody[RM4-5]

Catalog Number: E-AB-F1353R1

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

### **Description**

Reactivity Mouse Host Rat

Isotype Rat IgG2a, κ
Clone No. RM4-5

**Isotype Control** Elab Bright™ Violet 510 Rat IgG2a, κ Isotype Control[R35-95] [Product AN00822R1]

**Conjugation** Elab Bright™Violet 510

**Conjugation Information** Elab Bright<sup>TM</sup> Violet 510 is designed to be excited by the violet laser (405 nm) and

detected using an optical filter centered near 510 nm (e.g., a 525/50 nm bandpass filter).

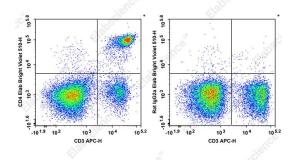
**Storage Buffer** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

## 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 Elab

Bright<sup>TM</sup> Violet 510 Rat Anti-Mouse CD4(RM4-5)(left) or Elab Bright<sup>TM</sup> Violet 510 Rat IgG2a, 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  $^{\circ}\text{C}$  for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping Ice bag

#### **Antigen Information**

Alternate Names L3T4;T-cell surface antigen T4/Leu-3;T-cell surface glycoprotein CD4;T4

 Uniprot ID
 P06332

 Gene ID
 12504

# 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 Bionovation Inc.**

A Reliable Research Partner in Life Science and Medicine

# **Background**

Elabscience®

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, 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.

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

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