

A Reliable Research Partner in Life Science and Medicine

Elab Fluor® Violet 500 Anti-Mouse CD4 Antibody[RM4-5]

Catalog Number: E-AB-F1353UR

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 Fluor® Violet 500 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09833R]

Conjugation Elab Fluor[®] Violet 500

Conjugation Information Elab Fluor® Violet 500 is designed to be excited by the violet laser (405 nm) and detected

using an optical filter centered near 501 nm (e.g., a 525/45 nm bandpass filter).

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

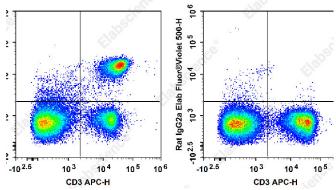
Applications

Recommended usage

FCM

Each lot of this antibody is quality control tested by flow cytometric analysis. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1 μ g/10⁶ cells in 100 μ L volume].

Data



Staining of C57BL/6 murine splenocytes with and APC Anti-

Mouse CD3 Antibody[17A2] and Elab Fluor[®] Violet 500 Anti-Mouse CD4 Antibody[RM4-5](left) or Elab Fluor[®] Violet 500 Rat IgG2a, κIsotype 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;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®

Elabscience Bionovation Inc.

A Reliable Research Partner in Life Science and Medicine

Background

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 co-receptor with the TCR during T cell activation and thymic differentiation by binding MHC class II and associating with the protein tyrosine kinase lck.