

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

Catalog Number: GFH1353R

**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-F09832R]                                                                                              |
| 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% sodium azide.                                                                                                          |

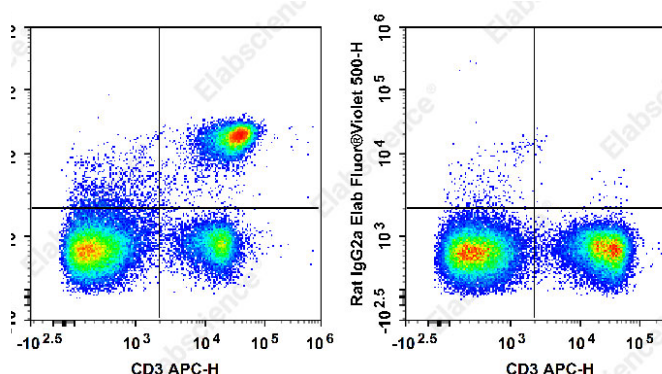
### Applications

### 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



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, κ isotype Control(right). Total viable cells were used for analysis.

### Preparation & Storage

|          |                                                                                                                                                           |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage  | Keep as concentrated solution.<br>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

## 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.