

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

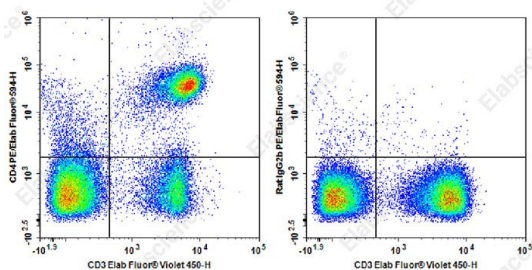
**Catalog Number:** GFH00417P

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

| Description                    |                                                                                                                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>              | Mouse                                                                                                                                                                                                             |
| <b>Host</b>                    | Rat                                                                                                                                                                                                               |
| <b>Isotype</b>                 | Rat IgG2b, κ                                                                                                                                                                                                      |
| <b>Clone No.</b>               | RM4-4                                                                                                                                                                                                             |
| <b>Isotype Control</b>         | PE/Elab Fluor® 594 Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09842P]                                                                                                                                     |
| <b>Conjugation</b>             | PE/Elab Fluor® 594                                                                                                                                                                                                |
| <b>Conjugation Information</b> | 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). |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide.                                                                                                                                               |

| Applications | Recommended usage                                                                                                                                                                                                                                                                                                                                                            |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FCM</b>   | 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 cells with APC Anti-Mouse CD3 Antibody and PE/Elab Fluor® 594 Anti-Mouse CD4 Antibody[RM4-4] (left) or PE/Elab Fluor® 594 Rat IgG2b, κ Isotype Control (right). Total viable cells were used for analysis.

| Preparation & Storage  |                                                                                                                                                           |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>         | 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. |
| <b>Shipping</b>        | Ice bag                                                                                                                                                   |
| Antigen Information    |                                                                                                                                                           |
| <b>Alternate Names</b> | L3T4;T4                                                                                                                                                   |
| <b>Uniprot ID</b>      | P06332                                                                                                                                                    |

### For Research Use Only

**Gene ID**

12504

**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 coreceptor with the TCR during T cell activation and thymic differentiation by binding MHC class II and associating with the protein tyrosin kinase, lck.