

## APC Anti-Mouse CD4 Antibody[RM4-5]

**Catalog Number:** GFH1353E

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

### Description

|                                |                                                                                                                                                            |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>              | Mouse                                                                                                                                                      |
| <b>Host</b>                    | Rat                                                                                                                                                        |
| <b>Isotype</b>                 | Rat IgG2a, $\kappa$                                                                                                                                        |
| <b>Clone No.</b>               | RM4-5                                                                                                                                                      |
| <b>Isotype Control</b>         | APC Rat IgG2a, $\kappa$ Isotype Control[2A3] [Product E-AB-F09832E]                                                                                        |
| <b>Conjugation</b>             | APC                                                                                                                                                        |
| <b>Conjugation Information</b> | APC is designed to be excited by the Red (627-640 nm) laser and detected using an optical filter centered near 660 nm (e.g., a 660/20 nm bandpass filter). |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide.                                                                                        |

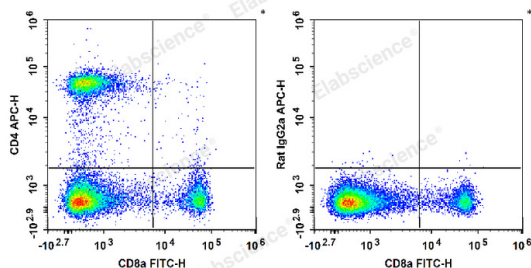
### Applications

### 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  $\mu$ 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



C57BL/6 murine splenocytes are stained with FITC Anti-Mouse CD8a Antibody and APC Anti-Mouse CD4 Antibody[RM4-5] (Left). Splenocytes are stained with FITC Anti-Mouse CD8a Antibody and APC Rat IgG2a,  $\kappa$  Isotype Control (Right).

### 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;T-cell surface antigen T4/Leu-3;T-cell surface glycoprotein CD4;T4 |
| <b>Uniprot ID</b>      | P06332                                                                  |
| <b>Gene ID</b>         | 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.