

## APC Anti-Mouse CD24 Antibody[M1/69]

**Catalog Number:** GFH1179UE

**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, $\kappa$                                                                                                                                        |
| <b>Clone No.</b>               | M1/69                                                                                                                                                      |
| <b>Isotype Control</b>         | APC Rat IgG2b, $\kappa$ Isotype Control[LTF-2] [Product E-AB-F09843E]                                                                                      |
| <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.                                                                                        |

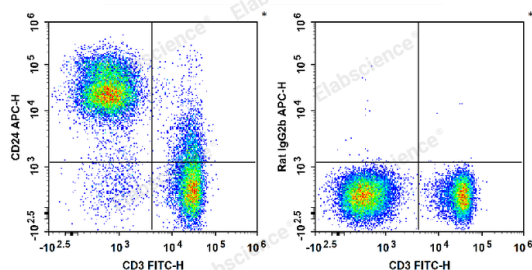
### Applications

### Recommended usage

#### FCM

Each lot of this antibody is quality control tested by flow cytometric analysis. 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  $\mu\text{g}/10^6$  cells in 100  $\mu\text{L}$  volume].

### Data



C57BL/6 murine splenocytes are stained with FITC Anti-Mouse CD3 Antibody and APC Anti-Mouse CD24 Antibody (Left). Splenocytes are stained with FITC Anti-Mouse CD3 Antibody and APC Rat IgG2b,  $\kappa$  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> | Ly-52;Cd24a;HAS;Nectadrin;R13-Ag;X62 heat stable antigen |
| <b>Gene ID</b>         | 12484                                                    |

### For Research Use Only

Tel: 400-999-2100

Web: [www.elabscience.cn](http://www.elabscience.cn)

Email: [techsupport@elabscience.cn](mailto:techsupport@elabscience.cn)

Rev. V1.3

## Background

CD24 is a 35-45 kD protein also known as Heat Stable Antigen (HSA), Ly-52, or Nectadrin. It is a GPI-linked sialoglycoprotein expressed on lymphocytes, granulocytes, epithelial cells, thymocytes, monocytes, erythrocytes, and dendritic cells. CD24 expression varies during T and B cell differentiation and is a useful marker for delineating various lymphocyte developmental stages. CD24 serves as an adhesion or costimulatory molecule involved in T and B lymphocyte activation and differentiation by homophilic binding or binding to CD62P.