

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

**Catalog Number:** GFH1179UD

**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>         | PE Rat IgG2b, $\kappa$ Isotype Control[LTF-2] [Product E-AB-F09843D]                                                                                                                              |
| <b>Conjugation</b>             | PE                                                                                                                                                                                                |
| <b>Conjugation Information</b> | PE 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 575 nm (e.g., a 585/42 nm bandpass filter). |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide.                                                                                                                               |

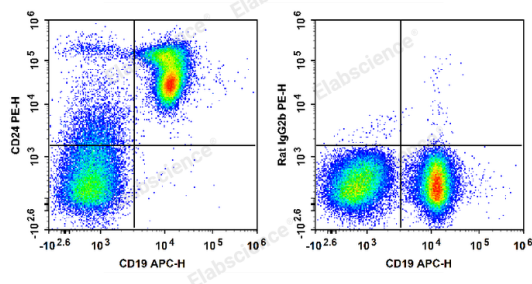
### Applications

#### FCM

### Recommended usage

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 APC Anti-Mouse CD19 Antibody and PE Anti-Mouse CD24 Antibody (Left). Splenocytes are stained with APC Anti-Mouse CD19 Antibody and PE 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

## 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.