

## PE Anti-Human CD24 Antibody[ML5]

**Catalog Number:** GFH1147D

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

### Description

|                                |                                                                                                                                                                                                   |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>              | Human                                                                                                                                                                                             |
| <b>Host</b>                    | Mouse                                                                                                                                                                                             |
| <b>Isotype</b>                 | Mouse IgG2a, $\kappa$                                                                                                                                                                             |
| <b>Clone No.</b>               | ML5                                                                                                                                                                                               |
| <b>Isotype Control</b>         | PE Mouse IgG2a, $\kappa$ Isotype Control[C1.18.4] [Product E-AB-F09802D]                                                                                                                          |
| <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.                                                                                                                               |

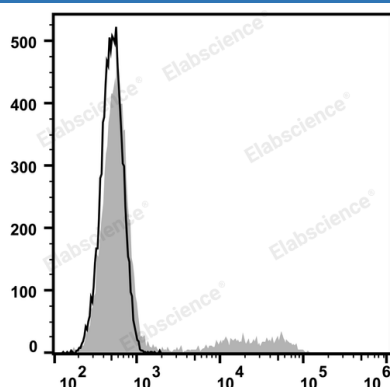
### Applications

FCM

### Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. **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



Human peripheral blood lymphocytes are stained with PE Anti-Human CD24 Antibody (filled gray histogram). Unstained lymphocytes (empty black histogram) are used as control.

### 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> | GPI linked surface mucin;HSA;Heat stable antigen;Nectadrin;Signal transducer CD24 |
| <b>Gene ID</b>         | 100133941                                                                         |

### For Research Use Only

## Background

CD24 is a 35-45 kD glycosylphosphatidylinositol (GPI)-linked protein also known as heat stable antigen (HSA), BA-1, Ly-52, and nectadrin. It is expressed on the surface of B cells (but not plasma cells), granulocytes, follicular dendritic cells, and epithelial cells. CD24 may play a role in the regulation of B-cell proliferation and maturation. CD24 crosslinking induces a  $\text{Ca}^{2+}$  flux in mature B cells. CD24 has been shown to interact with CD62P (P-selectin).