

## Elab Fluor® 488 Anti-Human CD24 Antibody[ML5]

Catalog Number: E-AB-F1147L

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

### Description

|                         |   |
|-------------------------|---|
| Reactivity              | Human   |
| Host                    | Mouse   |
| Isotype                 | Mouse IgG2a, κ  |
| Clone No.               | ML5   |
| Isotype Control         | Elab Fluor® 488 Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09802L]  |
| Conjugation             | Elab Fluor® 488   |
| Conjugation Information | Elab Fluor® 488 is designed to be excited by the Blue laser (488 nm) and detected using an optical filter centered near 520 nm (e.g., a 525/40 nm bandpass filter). |
| Storage Buffer          | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA.  |

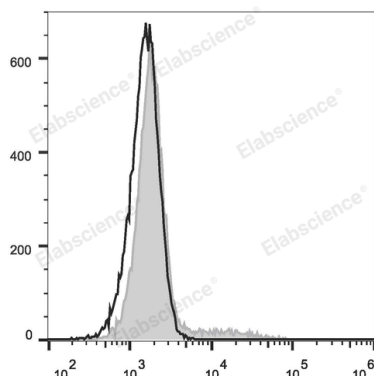
### Applications

### 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 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



Human peripheral blood lymphocytes are stained with Elab Fluor® 488 Anti-Human CD24 Antibody (filled gray histogram). Unstained lymphocytes (empty black histogram) are used as control.

### Preparation & Storage

|          |   |
|----------|---|
| Storage  | 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. |
| Shipping | Ice bag   |

### Antigen Information

|                 |   |
|-----------------|---|
| Alternate Names | GPI linked surface mucin;HSA;Heat stable antigen;Nectadrin;Signal transducer CD24 |
| Uniprot ID      | P25063  |
| Gene ID         | 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).