

## PE/Cyanine 7 Anti-Human CD24 Antibody[HIQB24]

Catalog Number: AN00645H

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

### Description

|                         |                                                                                                                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                      |
| Host                    | Mouse                                                                                                                                                                                                      |
| Isotype                 | Mouse IgG1                                                                                                                                                                                                 |
| Clone No.               | HIQB24                                                                                                                                                                                                     |
| Isotype Control         | PE/Cyanine7 Mouse IgG1, $\kappa$ Isotype Control[MOPC-21] [Product E-AB-F09792H]                                                                                                                           |
| Conjugation             | PE/Cyanine 7                                                                                                                                                                                               |
| Conjugation Information | PE/Cyanine7 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 775 nm (e.g., a 780/60 nm bandpass filter). |
| Storage Buffer          | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide.                                                                                                                                        |

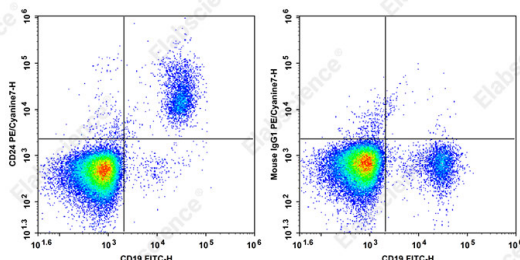
### Applications

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



Staining of normal human peripheral blood cells with PE/Cyanine7 Anti-Human CD24 Antibody[HIQB24] and FITC Anti-Human CD19 Antibody[CB19] (left) or PE/Cyanine7 Mouse IgG1,  $\kappa$  Isotype Control (right). Cells in the lymphocytes gate were used for analysis.

### 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;Heat stable antigen;HSA;Nectadrin;Signal transducer CD24;人CD24流式抗体;CD24抗体;CD24流式抗体;人CD24;人CD24抗体;AN00645 |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------|

### For Research Use Only

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Rev. V1.3

**Uniprot ID**

P25063

**Gene ID**

100133941

**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 Ca<sup>2+</sup> flux in mature B cells. CD24 has been shown to interact with CD62P (P-selectin).