

## PE/Cyanine5 Anti-Human CD123 Antibody[6H6]

**Catalog Number:** GFH1117G

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

### Description

|                                |                                                                                                                                                                                                            |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>              | Human                                                                                                                                                                                                      |
| <b>Host</b>                    | Mouse                                                                                                                                                                                                      |
| <b>Isotype</b>                 | Mouse IgG1, κ                                                                                                                                                                                              |
| <b>Clone No.</b>               | 6H6                                                                                                                                                                                                        |
| <b>Isotype Control</b>         | PE/Cyanine5 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792G]                                                                                                                                  |
| <b>Conjugation</b>             | PE/Cyanine 5                                                                                                                                                                                               |
| <b>Conjugation Information</b> | PE/Cyanine5 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 670 nm (e.g., a 690/50 nm bandpass filter). |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide.                                                                                                                                        |

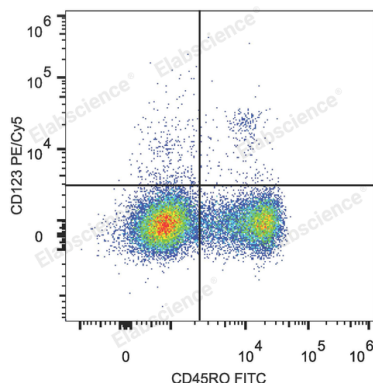
### Applications

**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 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 PE/Cyanine5 Anti-Human CD123 Antibody and FITC Anti-Human CD45RO Antibody.

### 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> | IL-3 Receptor alpha;IL-3Rα |
| <b>Gene ID</b>         | 3563                       |

### For Research Use Only

## Background

CD123 is the 70 kD transmembrane  $\alpha$  chain of the IL-3 receptor. Alone, CD123 binds IL-3 with low affinity; when CD123 associates with CDw131 (common  $\beta$  chain), it binds IL-3 with high affinity. CD123 does not transduce intracellular signals upon binding IL-3 and requires the  $\beta$  chain for this function. CD123 is expressed by myeloid precursors, macrophages, dendritic cells, mast cells, basophils, megakaryocytes, and some B cells.