

## PE Anti-Human CD123 Antibody[HI12H7]

**Catalog Number:** E-AB-F1340D

**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>               | HI12H7  |
| <b>Isotype Control</b>         | PE Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792D]  |
| <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% stabilizer and 1% protein protectant.   |

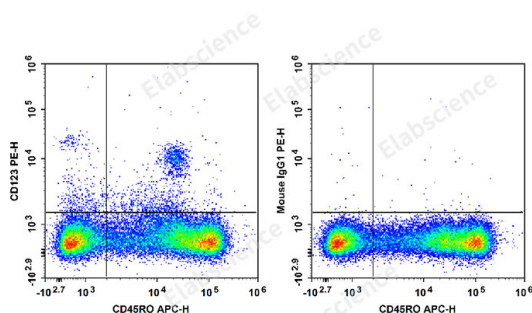
### Applications

### 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 mononuclear cells are stained with APC Anti-Human CD45RO Antibody and PE Anti-Human CD123 Antibody[HI12H7] (Left). Mononuclear cells are stained with APC Anti-Human CD45RO Antibody and PE Mouse IgG1, κ 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. Do not freeze. |
| <b>Shipping</b> | Ice bag   |

### Antigen Information

|                        |                          |
|------------------------|--------------------------|
| <b>Alternate Names</b> | IL-3Rα;IL-4Receptoralpha |
| <b>Uniprot ID</b>      | P26951                   |

### 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.

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