

## Purified Anti-Human CD123 Antibody[HI12H7]

catalog number: E-AB-F1340A

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

### Description

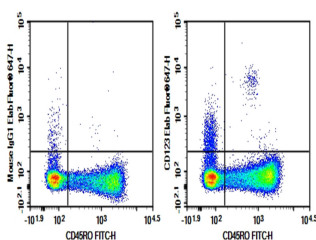
|                     |                                                                                                                                                 |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>   | Human                                                                                                                                           |
| <b>Immunogen</b>    | Recombinant Human CD123 protein                                                                                                                 |
| <b>Host</b>         | Mouse                                                                                                                                           |
| <b>Isotype</b>      | Mouse IgG1, $\kappa$                                                                                                                            |
| <b>Clone</b>        | HI12H7                                                                                                                                          |
| <b>Purification</b> | >98%, Protein A/G purified                                                                                                                      |
| <b>Buffer</b>       | Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer.<br>Dialyze to completely remove the stabilizer prior to labeling. |

### Applications

### Recommended Dilution

**FCM**  $\leq 0.2 \mu\text{g}$  per million cells in 100  $\mu\text{L}$  volume

### Data



Human peripheral blood lymphocytes cell were stained with 0.2  $\mu\text{g}$  Purified Anti-Human CD123 Antibody[HI12H7] (Right) and 0.2  $\mu\text{g}$  Mouse IgG1,  $\kappa$  Isotype Control (Left), followed by Elab Fluor® 647-conjugated Goat Anti-Mouse IgG Secondary Antibody, then anti-Human CD45RO FITC-conjugated Monoclonal Antibody.

### Preparation & Storage

|                 |                                                                                                    |
|-----------------|----------------------------------------------------------------------------------------------------|
| <b>Storage</b>  | Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles. |
| <b>Shipping</b> | Ice bag                                                                                            |

### 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.

### For Research Use Only

Toll-free: 1-888-852-8623  
Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086  
Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017

Rev. V1.2