

## Purified Anti-Human CD123 Antibody[7G3]

catalog number: AN002850P

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

### Description

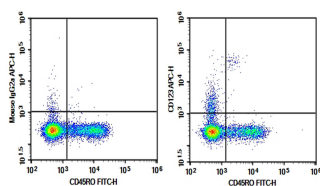
|                     |   |
|---------------------|---|
| <b>Reactivity</b>   | Human   |
| <b>Immunogen</b>    | Recombinant Human CD123 protein   |
| <b>Host</b>         | Mouse   |
| <b>Isotype</b>      | Mouse IgG2a, κ  |
| <b>Clone</b>        | 7G3   |
| <b>Purification</b> | >98%, Protein A/G purified  |
| <b>Conjugation</b>  | Unconjugated  |
| <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

|            |   |
|------------|---|
| <b>FCM</b> | 2 µg/mL(0.5×10 <sup>6</sup> -1×10 <sup>6</sup> cells) |
|------------|---|

### Data



Human peripheral blood lymphocytes were stained with 0.2 µg Purified Anti-Human CD123 Antibody[7G3] (Right) and 0.2 µg Mouse IgG2a, κ Isotype Control (Left), followed by APC-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 α chain of the IL-3 receptor. Alone, CD123 binds IL-3 with low affinity; when CD123 associates with CDw131 (common β chain), it binds IL-3 with high affinity. CD123 does not transduce intracellular signals upon binding IL-3 and requires the β chain for this function. CD123 is expressed by myeloid precursors, macrophages, dendritic cells, mast cells, basophils, megakaryocytes, and some B cells.