

**Manufacturer/Supplier:**

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**Product name:** Purified Anti-Human CD123 Monoclonal Antibody

**Catalog:** DL21440F

**Synonyms:** IL-3R $\alpha$ , IL-3 Receptor alpha

**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.

**Form:** Liquid

**Isotype:** Mouse IgG1,  $\kappa$

**Size:** 25 µg/100 µg

**Host:** Mouse

**Reactivity:** Human

**Application:** FCM, WB, IHC, IP

**Concentration:** 0.5 mg/mL

**Conjugation:** Unconjugated

**SwissProt:** P26951

**Buffer:** PBS with 0.05% Proclin300

### **Recommended Use:**

Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is  $\leq 1$  g per  $10^6$  cells in 100 µL volume or 100 µL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

### **Storage:**

Keep as concentrated solution.

Store at 2~8°C. Do not freeze.

This product is guaranteed up to one year from purchase.