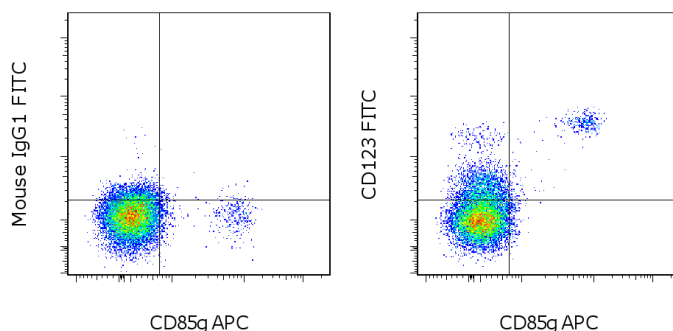


## Anti-Human CD123 FITC

**Catalog Number:** 11-1239

**Also known as:** Interleukin-3 Receptor alpha, IL-3Ra

**RUO: For Research Use Only. Not for use in diagnostic procedures.**



Staining of normal human peripheral blood cells with Anti-Human CD85g (ILT7) APC (cat. 17-5179) and Mouse IgG1 K Isotype Control FITC (cat. 11-4714) (left) or Anti-Human CD123 FITC (right). Cells in the monocyte gate and lymphocyte were used for analysis.

### Product Information

**Contents:** Anti-Human CD123 FITC



**Catalog Number:** 11-1239

**Clone:** 6H6

**Concentration:** 5 µL (0.25 µg)/test

**Host/Isotype:** Mouse IgG1, kappa

**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

**Temperature Limitation:** Store at 2-8°C. Do not freeze. Light sensitive material.

**Batch Code:** Refer to vial

**Use By:** Refer to vial

**Caution, contains Azide**



### Description

The 6H6 monoclonal antibody reacts with human CD123, the alpha chain of the IL-3 receptor. This 60-70 kDa transmembrane protein binds to IL-3 with low affinity by itself, and when associated with CD131 (common beta chain) binds IL-3 with high affinity. CD123 is expressed by myeloid precursors, macrophages, dendritic cells, mast cells, basophils, and megakaryocytes.

### Applications Reported

This 6H6 antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This 6H6 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.25 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test.

### References

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Jaye, D.L., C.M. Geigerman, et al. 2006. Expression of the plasmacytoid dendritic cell marker BDCA-2 supports a spectrum of maturation among CD4+CD56+ hematodermic neoplasms. *Mod Pathol*. 19(12): 1555-62. (IHC paraffin PubMed)

Peduzzi, E., C. Groeper, et al. 2007. Local activation of the innate immune system in Buruli Ulcer lesions. *J Invest Dermatol*. 127(3): 638-45. (IHC paraffin PubMed)

Assaf C., S. Gellrich, et al. 2007. CD56 lymphoproliferative disorders of the skin: A multicenter study of the cutaneous lymphoma project group of the european organization for research and treatment of cancer (EORTC). *J*

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Clin Pathol. 60(9): 981-9. (IHC frozen PubMed)

Xu. W., B. He, et al. 2007. Epithelial cells trigger frontline immunoglobulin class switching through a pathway regulated by the inhibitor SLP1. Nature Immunol. 8(3): 294-303. (IHC frozen PubMed)

### Related Products

11-4714 Mouse IgG1 K Isotype Control FITC (P3.6.2.8.1)

17-1231 Anti-Mouse CD123 APC (5B11)