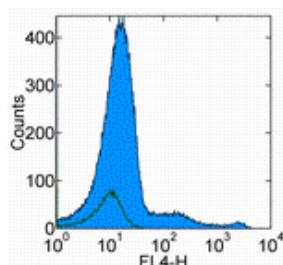


Anti-Human CD123 APC

Catalog Number: 17-1239

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 Mouse IgG1 kappa Isotype Control APC (cat. 17-4714) (open histogram) or Anti-Human CD123 APC (filled histogram). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD123 APC


REF **Catalog Number:** 17-1239

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.

LOT **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

 **Caution, contains Azide**

Description

The 6H6 monoclonal antibody reacts with human CD123, the α 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 β 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 10^5 to 10^8 cells/test.

References

Herling, M., M. Teitell, R. Shen, L. Medeiros, and D. Jones. 2003. TCL1 expression in plasmacytoid dendritic cells (DC2s) and the related CD4+ CD56+ blastic tumors of skin. *Blood*. 101: 5007-5009.

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)

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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

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

17-4714 Mouse IgG1 K Isotype Control APC (P3.6.2.1)

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