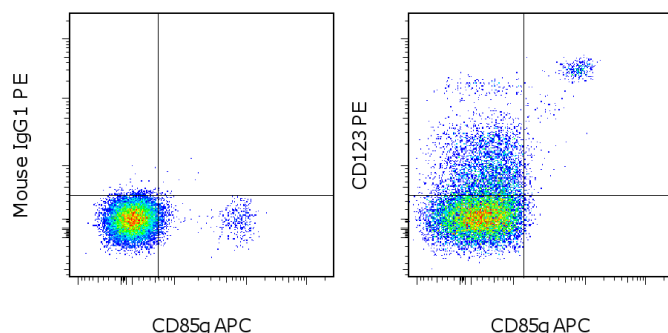


Anti-Human CD123 PE

Catalog Number: 12-1239

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 PE (cat. 12-4714) (left) or Anti-Human CD123 PE (right). Cells in the lymphocyte and monocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD123 PE



Catalog Number: 12-1239

Clone: 6H6

Concentration: 5 μ L (0.25 μ g)/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

The 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 μ L (0.25 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 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)

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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

11-9818 Anti-Human CD303a FITC (201A)

12-4714 Mouse IgG1 K Isotype Control PE (P3.6.2.8.1)

17-5179 Anti-Human CD85g (ILT7) APC (eBio17G10.2 (17G10.2))