

Product Information

Contents: Phycoerythrin (PE) anti-human CD123 (interleukin-3 receptor α , IL-3Ra)

Catalog Number: 12-1239

Sizes: 25 tests, 100 tests

Formulation: Phosphate buffer pH 7.2,
150 mM NaCl, 0.09% NaN₃, 0.2% BSA

Storage Conditions: Store at 4°C.

DO NOT FREEZE.

LIGHT-SENSITIVE MATERIAL.

Clone: 6H6

Isotype: Mouse IgG1, κ

Available Formats of This Product

Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
12-1239	PE anti-human CD123 (Interleukin-3 Receptor alpha, IL-3 Receptor alpha, IL-3Ra)	488	575	FC
13-1239	Biotin anti-human CD123 (Interleukin-3 Receptor alpha, IL-3 Receptor alpha, IL-3Ra)	N/A	N/A	FC
14-1239	Affinity Purified anti-human CD123 (Interleukin-3 Receptor alpha, IL-3 Receptor alpha, IL-3Ra)	N/A	N/A	FC IH/F
25-1239	Coming Soon! - Phycoerythrin-Cy7 (PE-Cy7) anti-human CD123 (Interleukin-3 Receptor alpha, IL-3 Receptor alpha, IL-3Ra)	488	760	FC

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.

Usage

For research use only, not for diagnostic or therapeutic use. The 6H6 antibody has been reported for use in flow cytometric analysis.

Applications Tested

The 6H6 antibody has been pre-titrated and tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at 20 μ l per 100 μ l blood (or per 1 million cells in 100 μ l total staining volume).

Related Products

- Cat. 13-1239 Biotin anti-human CD123 (Interleukin-3 Receptor alpha, IL-3 Receptor alpha, IL-3Ra) (clone 6H6)
- Cat. 14-1239 Affinity Purified anti-human CD123 (Interleukin-3 Receptor alpha, IL-3 Receptor alpha, IL-3Ra) (clone 6H6)
- Cat. 12-4714 Phycoerythrin (PE) Mouse IgG1, K Isotype Control

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.

