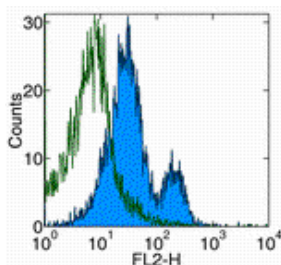


Anti-Human CD124 Functional Grade Purified

Catalog Number: 16-1249

Also Known As: Interleukin-4 Receptor alpha, IL-4Ra

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



Surface staining of normal human peripheral blood cells with Anti-Human CD124 Purified followed by Anti-Mouse IgG Biotin and Streptavidin PE (cat. 12-4317). Appropriate isotype controls were used (open histogram). Cells in the lymphocyte population were used for analysis.

Product Information

Contents: Anti-Human CD124 Functional Grade Purified

REF **Catalog Number:** 16-1249

Clone: X2/45-12

Concentration: 1 mg/mL

Host/Isotype: Mouse IgG1, kappa

HLDA Workshop: N/A

Handling Conditions: Use in sterile environment.

Endotoxin Level: Less than 0.001 ng/ug antibody, as determined by the LAL assay.

Formulation: aqueous buffer, no sodium azide



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial

Description

The X2/45-12 monoclonal antibody reacts with the human IL-4 receptor α chain. IL-4 receptor α chain (CD124) is crucial for the binding and signal transduction of IL-4. Both IL-4 and IL-13 use the IL-4 receptor α chain as their receptor component and activate many common signal pathways.

Applications Reported

X2/45-12 has been reported for use in flow cytometric analysis. X2/45-12 has also been reported in neutralization of human IL-4 function.

Applications Tested

The X2/45-12 antibody has been tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at less than or equal to 1 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. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Tony HP, Shen BJ, Reusch P, Sebald W. Design of human interleukin-4 antagonists inhibiting interleukin-4-dependent and interleukin-13-dependent responses in T-cells and B-cells with high efficiency. Eur J Biochem. 1994 Oct 15;225(2):659-65.

Related Products

11-4011 Anti-Mouse IgG FITC

16-4714 Mouse IgG1 K Isotype Control Functional Grade Purified (P3.6.2.1)

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