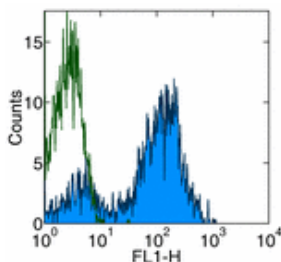


Anti-Human CD5 Purified

Catalog Number: 14-0059

Also Known As: Leu-1, T1

RUO: For Research Use Only



Staining of normal human peripheral blood cells with Anti-Human CD5 FITC. Appropriate isotype controls were used (open histogram). Cells in the lymphocyte population were used for analysis.

Product Information

Contents: Anti-Human CD5 Purified

REF Catalog Number: 14-0059


Clone: UCHT2

Concentration: 0.5 mg/ml


Host/Isotype: Mouse IgG1, κ


HLDA Workshop: III 518

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

 Temperature Limitation: Store at 2-8°C.

LOT Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains Azide

Description

The UCHT2 monoclonal antibody reacts with human CD5, a 67 kDa protein expressed by a majority of thymocytes and mature T cells and a subset of B cells. Signaling through the CD5 molecule activates T cells and binding of CD5 to its ligand on B cells, CD72, and plays an important role in T-B interaction and proliferation.

The monoclonal antibody UCHT2 recognizes primate CD5.

Applications Reported

The UCHT2 antibody has been reported for use in flow cytometric analysis, immunoblotting (WB), and immunohistochemical staining.

Applications Tested

The UCHT2 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

Kap YS, van Meurs M, van Driel N, Koopman G, Melief MJ, Brok HP, Laman JD, 't Hart BA. A monoclonal antibody selection for immunohistochemical examination of lymphoid tissues from non-human primates. *J Histochem Cytochem.* 2009 Dec;57(12):1159-67. (UCHT2, IHC frozen, primate, PubMed)

Knapp, W., B. Dorken, et al. eds. (1989). *Leucocyte Typing IV: White Cell Differentiation Antigens.* Oxford University Press. New York.

Related Products

11-4011 Anti-Mouse IgG FITC

14-4714 Mouse IgG1 K Isotype Control Purified

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