

TECHNICAL DATA SHEET

PE Anti-Human CD5 (UCHT2)

Catalog Number: 50-0059

PRODUCT INFORMATION

Contents: PE Anti-Human CD5 (UCHT2)

Isotype: Mouse IgG1, kappa

Concentration: 5 µL (0.5 µg)/test

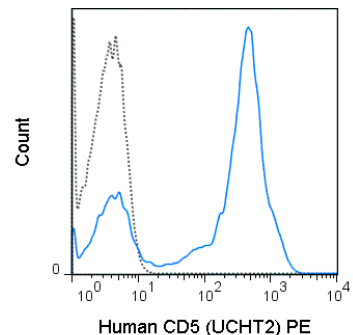
Clone: UCHT2

Reactivity: Human

Use By: 12 months from date of receipt

Storage Conditions: 2-8°C protected from light

Formulation: 10 mM NaH₂PO₄, 150 mM NaCl, 0.09% NaN₃, 0.1% gelatin, pH7.2



Human peripheral blood lymphocytes were stained with 5 µL (0.5 µg) PE Anti-Human CD5 (50-0059) (solid line) or 0.5 µg PE Mouse IgG1 isotype control (dashed line).

DESCRIPTION

The UCHT2 antibody is specific for human CD5, a 67 kD transmembrane glycoprotein, that is expressed on most thymocytes, mature T cells, and a subset of B cells. CD5 is involved in modulating antigen receptor signaling in both T and B cells and binds to CD72, expressed on B cells.

PREPARATION & STORAGE

This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation. It is recommended to store the product undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.

APPLICATION NOTES

This antibody preparation has been pre-titrated and quality-tested for flow cytometry using an appropriate cell type. The antibody has been diluted for use at 5 µL per test, defined as the amount of antibody that will stain a cell sample in a final volume of approximately 100 µL. The number of cells within a sample should be determined empirically, but typically ranges between 1x10⁵ to 1x10⁸ cells.

REFERENCES

- Knapp W, Dorken B, et al. eds. 1989. Leucocyte Typing IV: White Cell Differentiation Antigens. Oxford University Press. New York.
- Luo W, Van de Velde H, von Hoegen I, Parnes JR, Thielemans K. 1992. J Immunol. 148(6): 1630-1634.
- Tarakhovskiy A, Kanner SB, Hombach J, et al. 1995. Science. 269(5223): 535-537.

Tonbo Biosciences tests all antibodies by flow cytometry. Citations are provided as a resource for additional applications that have not been validated by Tonbo Biosciences. Please choose the appropriate format for each application and consult Materials and Methods sections for additional details about the use of any product in these publications.

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