

PerCP/Cyanine5.5 anti-human CD5

Catalog # / Size: 2103095 / 25 tests
2103100 / 100 tests

Clone: UCHT2

Isotype: Mouse IgG1, κ

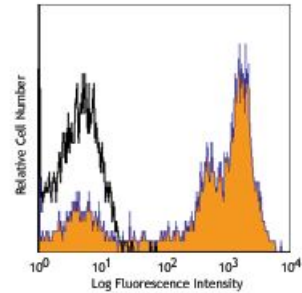
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with PerCP/Cyanine5.5 under optimal conditions. The solution is free of unconjugated PerCP/Cyanine5.5 and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Workshop Number: III 518

Concentration: Lot-specific



Human peripheral blood lymphocytes were stained with CD5 (UCHT2) PerCP/Cy5.5 (filled histogram) or mouse IgG1, κ PerCP/Cy5.5 (open histogram).

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 µl per million cells or 5 µl per 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

* PerCP/Cyanine5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.

Application Notes: Additional reported applications (for the relevant formats) include: Western blotting² and immunohistochemical staining of acetone-fixed frozen sections^{2,5}.

Application References:
 1. Kipps T. 1988. *Adv. Immunol.* 47:117.
 2. Resnick D, et al. 1993. *Trends Biochem. Sci.* 19:5.
 3. Wood GS, et al. 1992. *Am. J. Pathol.* 14:789.

Description: CD5 is a 67 kD single chain type I glycoprotein also known as Leu-1, Ly-1 and T1. It is a member of the scavenger receptor superfamily found on T cells, thymocytes, B cell subsets, chronic B lymphocytic leukemia (B-Cells), and peripheral blood dendritic cells. CD5 modulates T and B cell receptor signaling, thymocyte maturation, and T-B cell interactions upon binding to ligands such as CD72.

Antigen References:
 1. Kipps T. 1988. *Adv. Immunol.* 47:117.
 2. Resnick D, et al. 1993. *Trends Biochem. Sci.* 19:5.
 3. Wood GS, et al. 1992. *Am. J. Pathol.* 14:789.