

Purified anti-human CD5

Catalog # / Size: 300601 / 25 µg
300602 / 100 µg

Clone: UCHT2

Isotype: Mouse IgG1, κ

Workshop Number: III 518

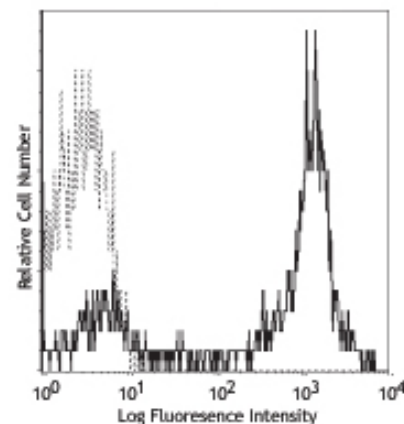
Reactivity: Human, **Cross-Reactivity:** Chimpanzee, Capuchin Monkey, Common Marmoset

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C.



Human peripheral blood lymphocytes were stained with purified CD5 (UCHT2) (solid line) or purified mouse IgG1, κ (dashed line), followed by anti-mouse IgG PE.

Applications:

Applications: FC - *Quality tested*
WB, IHC - *Reported in the literature*

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, it is recommended to use at ≤ 1.0 µg per 10⁶ cells in 100 µl volume or 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

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

Application References:

- Knapp W, *et al.* 1989. Leucocyte Typing IV Oxford University Press. New York.
- Renaudineau Y, *et al.* 2005. *Blood* 106:2781. (WB IHC)
- Porter JC and Hogg N. 1997. *J. Cell Biol.* 138:1437.
- Saliba AE, *et al.* 2010. *P. Natl. Acad. Sci. USA* 107:14524. PubMed
- Kap Y, *et al.* 2009. *J. Histochem. Cytochem.* 57:1159. (IHC)

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:

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

Related Products: Product

Purified anti-human CD19
Purified anti-human CD3
Purified anti-human CD3
Purified Mouse IgG1, κ Isotype Ctrl
AKP Goat anti-mouse IgG (minimal x-reactivity)
APC Goat anti-mouse IgG (minimal x-reactivity)
Biotin Goat anti-mouse IgG (minimal x-reactivity)
FITC Goat anti-mouse IgG (minimal x-reactivity)
HRP Goat anti-mouse IgG (minimal x-reactivity)
PE Goat anti-mouse IgG (minimal x-reactivity)
Cell Staining Buffer
RBC Lysis Buffer (10X)

Clone

HIB19
HIT3a
UCHT1
MOPC-21
Poly4053
Poly4053
Poly4053
Poly4053
Poly4053
Poly4053

Application

FC, IHC, CyTOF®
FC, IHC, IP
FC, IHC, IP, WB, CyTOF®
FC, ICFC, ICC, IF, IHC, IP, WB
ELISA, WB, IHC
FC
FC, ELISA, IHC, IF, WB
FC
ELISA, IHC, WB
FC
FC, ICC, ICFC
FC, ICFC



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