

CD5 (UCHT2)

Analyte Specific Reagent (ASR)*

Type	Number of tests	Volume per test (μL)	Total volume (μL)	Catalog number
PE	50	5	250	4121022
	100	5	500	4121025
APC	50	5	250	4121042
	100	5	500	4121045
PE-Cyanine7	50	5	250	4121082
	100	5	500	4121085
APC-Cyanine7	50	5	250	4121092
	100	5	500	4121095

Antigen:	CD5
Immunogen:	Human T Cells
Host/Isotype:	Mouse, IgG1,κ
Reactivity:	Human
Purity:	>90% pure tested via polyacrylamide gel electrophoresis (PAGE)
Formulation:	PBS, pH7.2, 0.09%NaN ₃ (unconjugated, Biotin) PBS, pH7.2, 0.09% NaN ₃ and 0.2% (w/v) BSA (conjugated)
Storage:	Store at 2-8°C and protected from prolonged exposure to light. Do not freeze.
Applications:	Flow Cytometry

Antigen Information

The clone UCHT2, a mouse monoclonal antibody selectively binds to a 67 kDa human single-chain type I cell surface glycoprotein known as CD5. It is a member of the scavenger receptor cysteine-rich protein superfamily (SRCR). It is expressed on T lymphocytes, thymocytes, and IgM-secreting B cells (B-1 cells). Chronic lymphocytic leukemia (CLL) is characterized by the accumulation of clonally derived mature CD5⁺CD19⁺CD23⁺CD20⁺ B cells in the blood, bone marrow, and secondary lymphoid organs.

References

1. Lankester, A.C., et al. 1994. *Eur J Immunol.* 24(4):812-816.
2. Lydyard, P.M., et al. 1993. *Immunol Lett.* 38(2):159-166.
3. Bikah, G., et al. 1998. *Int. Immunol.* 10:1185-1196.
4. Chiorazzi, N., et al. 2005. *N Engl J Med.* 352:804-815

*Analyte Specific Reagent. The analytical and performance characteristics of this ASR product are not established.