

CD5 (UCHT2)

Type	Size	Catalog number
Unconjugated	100µg	112101
	500µg	112103
FITC	25 tests	112114
	100 tests	112115
	200 tests	112116
PE	25 tests	112124
	100 tests	112125
	200 tests	112126

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%NaN₃ (unconjugated, Biotin)
 PBS, pH7.2, 0.09% NaN₃ 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

Application Information

Each lot of these antibodies has been pre-titrated and tested by flow cytometric analysis of human PBMCs such that 0.5µg (unconjugated, Biotin) or 5µl (conjugated) of these products are sufficient for staining 1 million cells in a 100µl staining volume or 100µl of whole blood. It is recommended to titrate antibody reactivity empirically for optimal performance.

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

Terms and Conditions

This product is for research use only (RUO) and not intended for diagnostic testing.