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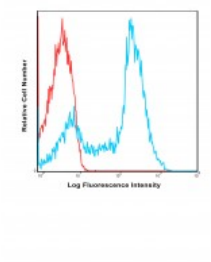
CD5 Antibody [UCHT2] (PE)

CATALOG NUMBER: 76-611



Human peripheral blood lymphocytes were stained with PE UCHT2 with relevant isotype control in Red.

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	FACS
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
SPECIFICITY:	The UCHT2 monoclonal antibody specifically reacts with human CD5, a 67 kda type 1 transmembrane glycoprotein.
HOST SPECIES:	Mouse

Properties

PURIFICATION:	The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.
PHYSICAL STATE:	liquid
BUFFER:	Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, ph7.2.
CONCENTRATION:	5 uL (0.5 ug) / test
STORAGE CONDITIONS:	The product should be stored undiluted at 4˚C and should be protected from prolonged exposure to light. Do not freeze.
CLONALITY:	Monoclonal
ISOTYPE:	Mouse IgG1, kappa
CONJUGATE:	PE

Additional Info

ALTERNATE NAMES:	T1, LEU1, CD5
OFFICIAL SYMBOL:	CD5
GENE ID:	921

Background

BACKGROUND:	The UCHT2 monoclonal antibody specifically reacts with human CD5, a 67 kda type 1 transmembrane glycoprotein. CD5 is expressed on mature T cells, a subset of B cells, and peripheral blood dendritic cells. B cells

	that are CD5+ produce mostly IgM polyreactive antibodies. Its ligand is CD72, which is involved in T, B cell proliferation and interaction. The UCT2 antibody also recognizes non-human primate CD5.
REFERENCES:	1) McMichael, A. J. (1987).Leucocyte typing III: white cell differentiation antigens. Oxford University Press, USA.
	2) Lankester, A. C., van Schijndel, G. M., Cordell, J. L., van Noesel, C. J., van Lier, R. A. (1994). CD5 is associated with the human B cell antigen receptor complex.European journal of immunology,24(4), 812-816.
	3) Kap, Y. S., van Meurs, M., van Driel, N., Koopman, G., Melief, M. J., Brok, H. P., ... A't Hart, B. (2009). A monoclonal antibody selection for immunohistochemical examination of lymphoid tissues from non-human primates.Journal of Histochemistry Cytochemistry,57(12), 1159-1167.

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