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CD45RO Antibody [UCHL1] (PE)

CATALOG NUMBER: 76-489

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	FACS
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
SPECIFICITY:	The UCHL1 monoclonal antibody specifically reacts with human CD45RO, a 180 kDa isoform of the leukocyte common antigen CD45.
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 IgG2a, kappa
CONJUGATE:	PE

Additional Info

ALTERNATE NAMES:	LCA, LY5, B220, CD45, L-CA, T200, CD45R, GP180, PTPRC
OFFICIAL SYMBOL:	PTPRC
GENE ID:	5788

Background

BACKGROUND:	The UCHL1 monoclonal antibody specifically reacts with human CD45RO, a 180 kDa isoform of the leukocyte common antigen CD45. CD45RO is a transmembrane glycoprotein with tyrosine phosphatase activity and is expressed by majority of thymocytes, monocytes, granulocytes, and activated memory T lymphocytes. The subsets of peripheral T lymphocytes can be discriminated by using the CD45RO and CD45RA expressing cells.
REFERENCES:	1) Knapp W(1989) Leucocyte typing IV: white cell differentiation antigens. Oxford University Press, 1989.
	2) Akbar, A. N., Terry, L., Timms, A., Beverley, P. C., Janossy, G. (1988). Loss of CD45R and gain of UCHL1 reactivity is a feature of primed T cells.The Journal of Immunology,140(7), 2171-2178.
	3) Smith, S. H., Brown, M. H., Rowe, D., Callard, R. E., Beverley, P. C. (1986). Functional subsets of human helper-inducer cells defined by a new monoclonal antibody, UCHL1.Immunology,58(1), 63.

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