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HIGH PERFORMANCE ANTIBODIES ... AND MORE

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CD45RA Antibody [HI100] (APC)

CATALOG NUMBER: 76-463

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	FACS
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
SPECIFICITY:	The HI100 monoclonal antibody specifically reacts with human CD45RA, the 220 kDa isoform of the human leukocyte common antigen (LCA) found on 40-50% of the peripheral CD4+ T lymphocytes, half of the peripheral CD8+ T lymphocytes and some of the monocytes and B lymphocytes.
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 (0.125 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 IgG2b, kappa
CONJUGATE:	APC

Additional Info

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

Background

BACKGROUND:	The HI100 monoclonal antibody specifically reacts with human CD45RA, the 220 kDa isoform of the human leukocyte common antigen (LCA) found on 40-50% of the peripheral CD4+ T lymphocytes, half of the peripheral CD8+ T lymphocytes and some of the monocytes and B lymphocytes. The CD45RA antigen is expressed by naïve and activated T lymphocytes. The HI100 monoclonal antibody is used as a phenotypic marker to discriminate T lymphocytes subsets.
REFERENCES:	1) Knapp W(1989) Leucocyte typing IV: white cell differentiation antigens. Oxford University Press, 1989. 2) Barclay, A. N., Brown, M. H., Law, S. A. K. A., McKnight, A. J., Tomlinson, M. G., van der Merwe, P. A. (1997).The leucocyte antigen factsbook. Academic Press. 3) Yamada, T., Zhu, D., Saxon, A., Zhang, K. (2002). CD45 controls interleukin-4-mediated IgE class switch recombination in human B cells through its function as a Janus kinase phosphatase.Journal of Biological Chemistry,277(32), 28830-28835.

FOR RESEARCH USE ONLY

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