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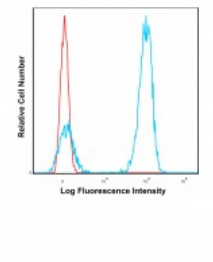
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CD3 Antibody [SK7] (APC)

CATALOG NUMBER: 76-306



Human peripheral blood lymphocytes were stained with APC SK7 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 SK7 monoclonal antibody specifically reacts with the epsilon chain of the CD3/T lymphocyte antigen receptor complex.
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 (0.25 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:	APC

Additional Info

ALTERNATE NAMES:	T3E, TCRE, IMD18, CD3E
OFFICIAL SYMBOL:	CD3E
GENE ID:	916

Background

BACKGROUND:	The SK7 monoclonal antibody specifically reacts with the epsilon chain of the CD3/T lymphocyte antigen receptor complex. The CD3 complex contains gamma, delta, and epsilon chains, and it is part of the TCR

	complex, expressed by all mature T lymphocytes and by the thymocyte lineage. CD3 enhances the antigen recognition by signal transduction. The SK7 antibody is reported to have a mitogenic effect on the majority of peripheral blood T cells in the presence of functional monocytes.
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	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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December 13, 2016