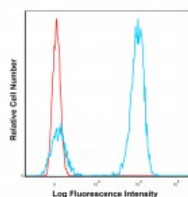




CD3 Antibody [SK7] (APC)

CATALOG NUMBER: 76-304



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
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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.

REFERENCES:

- 1) Van Dongen, J. J., Krissansen, G. W., Wolvers-Tettero, I. L., Comans-Bitter, W. M., Adriaansen, H. J., Hooijkaas, H., ... Terhorst, C. (1988). Cytoplasmic expression of the CD3 antigen as a diagnostic marker for immature T-cell malignancies. *Blood*, 71(3), 603-612.
 - 2) Haynes, B. F. (1986). Summary of T cell studies performed during the second international workshop and conference on human leukocyte differentiation antigens. In *Leukocyte typing II* (pp. 3-30). Springer New York.
 - 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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