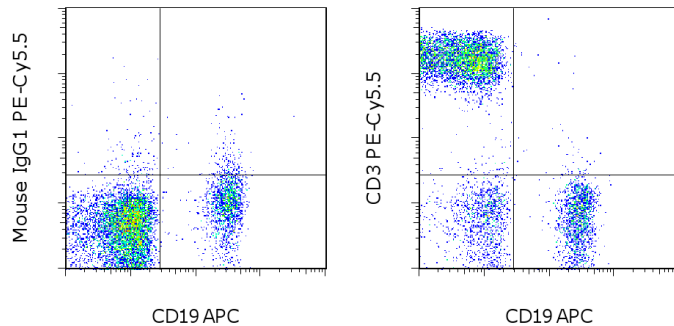


Anti-Human CD3 PE-Cyanine5.5

Catalog Number: 35-0036

Also known as: Leu-4, T3

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of normal human peripheral blood cells with Anti-Human CD19 APC (cat. 17-0199) and Mouse IgG1 K Isotype Control PE-Cyanine5.5 (cat. 35-4714) (left) or Anti-Human CD3 PE-Cyanine5.5 (right). Cells in the lymphocyte gate were used for analysis.

Product Information



Contents: Anti-Human CD3 PE-Cyanine5.5

Catalog Number: 35-0036

Clone: SK7

Concentration: 5 uL (0.125 ug)/test

Host/Isotype: Mouse IgG1, kappa



Temperature Limitation: Store at 2-8°C. Do not freeze. Light-sensitive material.



Batch Code: Refer to vial



Use By: Refer to vial



Contains sodium azide

Description

The SK7 monoclonal antibody reacts with human and chimpanzee CD3e, a 20 kDa subunit of the TCR complex. Along with the other CD3 subunits gamma and delta, the epsilon chain is required for proper assembly, trafficking and surface expression of the TCR complex. CD3 is expressed by thymocytes in a developmentally regulated manner and by all mature T cells. The SK7 and UCHT1 monoclonal antibodies cross-block binding, suggesting recognition of overlapping epitopes.

Applications Reported

This SK7 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This SK7 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.125 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

References

Kap YS, van Meurs M, van Driel N, Koopman G, Melief MJ, Brok HP, Laman JD, 't Hart BA. A monoclonal antibody selection for immunohistochemical examination of lymphoid tissues from non-human primates. *J Histochem Cytochem.* 2009 Dec;57(12):1159-67. (SK7, IHC frozen, chimpanzee, PubMed)

van Dongen JJ, Krissansen GW, Wolvers-Tettero IL, Comans-Bitter WM, Adriaansen HJ, Hooijkaas H, van Wering ER, Terhorst C. Cytoplasmic expression of the CD3 antigen as a diagnostic marker for immature T-cell malignancies. *Blood.* 1988 Mar;71(3):603-12

Related Products

00-4222 Flow Cytometry Staining Buffer

17-0199 Anti-Human CD19 APC (HIB19)

35-4714 Mouse IgG1 K Isotype Control PE-Cyanine5.5 (P3.6.2.8.1)

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