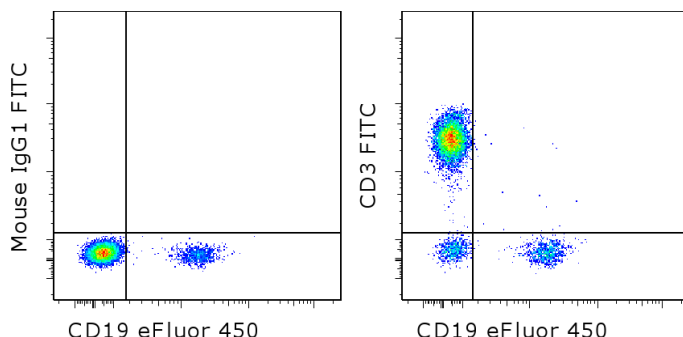


Anti-Human CD3 FITC

Catalog Number: 11-0036

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 eFluor® 450 (cat. 48-0199) and Mouse IgG1 K Isotype Control FITC (cat. 11-4714) (left) or Anti-Human CD3 FITC (right). Cells in the lymphocyte gate were used for analysis.

Product Information



Contents: Anti-Human CD3 FITC
Catalog Number: 11-0036
Clone: SK7
Concentration: 5 µL (1.0 µg)/test
Host/Isotype: Mouse IgG1, kappa



LOT



Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

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

Batch Code: Refer to vial

Use By: Refer to vial

Caution, contains Azide

Description

The SK7 monoclonal antibody reacts with human and chimpanzee CD3ε, 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 human peripheral blood leukocytes. This can be used at 5 µL (1.0 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. (SK7.10, 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

11-0037 Anti-Human CD3 FITC (OKT3)

11-0038 Anti-Human CD3 FITC (UCHT1)

11-4714 Mouse IgG1 K Isotype Control FITC (P3.6.2.8.1)

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48-0199 Anti-Human CD19 eFluor® 450 (HIB19)

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