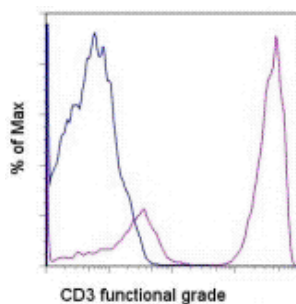


Anti-Human CD3 Functional Grade Purified

Catalog Number: 16-0036

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 0.5 ug of Mouse IgG1 K Isotype Control Functional Grade Purified (cat. 16-4714) (blue histogram) or 0.125 ug of Anti-Human CD3 Functional Grade Purified (purple histogram) followed by Anti-Mouse IgG PE. Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD3 Functional Grade Purified

REF Catalog Number: 16-0036

Clone: SK7


Concentration: 1 mg/mL

Host/Isotype: Mouse IgG1, kappa


Handling Conditions: Use in sterile environment.

Endotoxin Level: Less than 0.001 ng/ug antibody, as determined by the LAL assay.

Formulation: aqueous buffer, no sodium azide

 Temperature Limitation: Store at 2-8°C.

LOT Batch Code: Refer to Vial

 Use By: Refer to Vial

Description

The SK7 monoclonal antibody reacts with human CD3e, a 20 kDa subunit of the TCR complex. Along with the other CD3 subunits γ and δ , the ϵ 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.

The antibody SK7 recognizes chimpanzee CD3.

Applications Reported

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

Applications Tested

This SK7 antibody has been tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at less than or equal to 0.25 μ g per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

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

16-4714 Mouse IgG1 K Isotype Control Functional Grade Purified (P3.6.2.8.1)

17-0199 Anti-Human CD19 APC (HIB19)

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