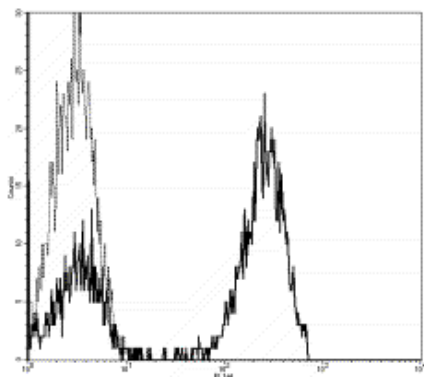


Anti-Human CD3 FITC

Catalog Number: 11-0039

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 CD3 FITC.

Product Information

Contents: Anti-Human CD3 FITC

REF **Catalog Number:** 11-0039

Clone: HIT3a

Concentration: 5 µL (1 µg)/test

Host/Isotype: Mouse IgG2a, kappa

HLDA Workshop: V 5T-CD03.05

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 HIT3a monoclonal antibody reacts with human CD3ε, 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. Crosslinking of TCR with HIT3a initiates an intracellular biochemical pathway resulting in cellular activation and proliferation.

Applications Reported

The HIT3a antibody has been reported for use in flow cytometric analysis.

Applications Tested

This HIT3a antibody has been pre-titrated and tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at 5 µl (1 µg)/per test. A test is defined as the amount (µg)/test 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

McMichael, A. J., P.C.L. Beverly, et al. eds. (1987). Leucocyte Typing III: White Cell Differentiation Antigens. Oxford University Press. New York.

Knapp, W., B. Dorken, et al. eds. (1989). Leucocyte Typing IV: White Cell Differentiation Antigens. Oxford University Press. New York.

Schlossman, S., L. Bloumsell, et al. eds (1995). Leucocyte Typing V: White Cell Differentiation Antigens. Oxford University Press. New York.

Related Products

11-0036 Anti-Human CD3 FITC (SK7)

11-0037 Anti-Human CD3 FITC (OKT3)

11-0038 Anti-Human CD3 FITC (UCHT1)

11-4724 Mouse IgG2a K Isotype Control FITC

46-0198 Anti-Human CD19 PerCP-eFluor® 710 (SJ25C1)

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