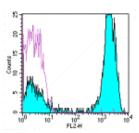


Anti-Human CD3 PE

Catalog Number: 12-0037 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 Mouse IgG2a K Isotype Control PE (cat. 12-4724) (open histogram) or Anti-Human CD3 PE (filled histogram). Cells in the lymphocyte gate were analyzed.

Product Information

Contents: Anti-Human CD3 PE REF Catalog Number: 12-0037

Clone: OKT3

Concentration: 5 uL (0.5 ug)/test Host/Isotype: Mouse IgG2a, kappa HLDA Workshop: VI T6T-R3 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 VialUse By: Refer to Vial

Caution, contains Azide

Description

The OKT3 monoclonal antibody reacts with an epitope on the epsilon-subunit within the human CD3 complex. The OKT3 antibody has been reported to have potent immunosuppressive properties in vivo and has been proven effective in the treatment of renal, heart and liver allograft rejection. The CD3 subunits, gamma, delta, and epsilon chains, are 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 initiates an intracellular biochemical pathway resulting in cellular activation and proliferation.

Applications Reported

The OKT3 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This OKT3 antibody has been pre-titrated and tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at 5 μ L (0.5 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 10⁵ to 10⁸ cells/test.

References

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Adair JR, Athwal DS, Bodmer MW, Bright SM, Collins AM, Pulito VL, Rao PE, Reedman R, Rothermel AL, Xu D, et al. Humanization of the murine anti-human CD3 monoclonal antibody OKT3. Hum Antibodies Hybridomas. 1994;5(1-2):41-7.

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Related Products

12-4724 Mouse IgG2a K Isotype Control PE

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