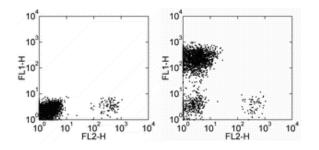


Anti-Human CD3 Alexa Fluor® 488

Catalog Number: 53-0037 Also Known As:Leu-4, T3 RUO: For Research Use Only. Not for use in diagnostic procedures.



CD19 PE (cat. 12-0199) and staining buffer (autofluorescence) (left) or Anti-Human CD3 Alexa Fluor® 488 (right). Cells in the lymphocyte gate were used for analysis.

Staining of normal human peripheral blood cells with Anti-Human

Product Information

Contents: Anti-Human CD3 Alexa Fluor® 488 REF Catalog Number: 53-0037 Clone: OKT3 Concentration: 5 uL (1.0 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 Vial

Use By: Refer to Vial

A 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

This 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 (1.0 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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Hoffman RA, Kung PC, Hansen WP, Goldstein G. Simple and rapid measurement of human T lymphocytes and their subclasses in peripheral blood. Proc Natl Acad Sci U S A. 1980 Aug;77(8):4914-7.

Related Products

12-0199 Anti-Human CD19 PE (HIB19)

53-4724 Mouse IgG2a K Isotype Control Alexa Fluor® 488

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