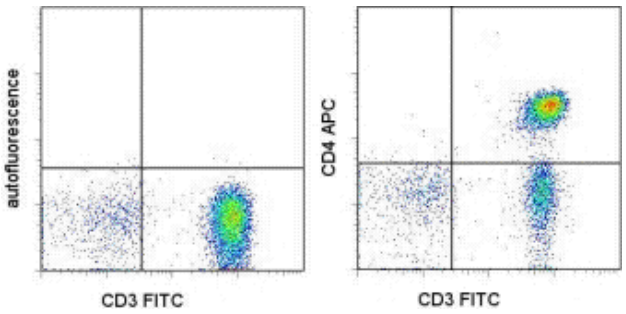
Anti-Human CD4 APC

Catalog Number: 17-0048
Also Known As: Leu-3, T4
RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of normal human peripheral blood cells with Anti-Human CD3 FITC (cat. 11-0037) and staining buffer (autofluorescence) (left) or Anti-Human CD4 APC (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD4 APC
REF **Catalog Number:** 17-0048
Clone: OKT4 (OKT-4)
Concentration: 5 uL (0.06 ug)/test
Host/Isotype: Mouse IgG2b, kappa

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.
LOT **Batch Code:** Refer to Vial
Use By: Refer to Vial
Contains sodium azide

Description

The OKT4 monoclonal antibody reacts with human CD4, a 59 kDa cell surface glycoprotein expressed by the majority of thymocytes, a subpopulation of mature T cells (T-helper cells) and in low levels on monocytes. CD4 is a receptor for the human immunodeficiency virus (HIV). The OKT4 antibody recognizes a different epitope than the RPA-T4 monoclonal antibody, and these antibodies do not cross-block binding to each other's respective epitopes.

Applications Reported

This OKT4 (OKT-4) antibody has been reported for use in flow cytometric analysis.

Applications Tested

This OKT4 (OKT-4) antibody has been pre-titrated and tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at 5 µL (0.06 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 10^5 to 10^8 cells/test.

References

Bour S, Boulerice F, Wainberg MA. Inhibition of gp160 and CD4 maturation in U937 cells after both defective and productive infections by human immunodeficiency virus type 1. J Virol. 1991 Dec;65(12):6387-96. (**OKT4**, IP, PubMed)

Reinherz EL, Kung PC, Goldstein G, Schlossman SF. 1979. Separation of functional subsets of human T cells by a monoclonal antibody. Proc Natl Acad Sci. 76(8): 4061-5.

Related Products

17-4732 Mouse IgG2b K Isotype Control APC
46-0087 Anti-Human CD8a PerCP-eFluor® 710 (SK1 (SK-1))
48-0038 Anti-Human CD3 eFluor® 450 (UCHT1)

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