
Anti-Human CD4 Alexa Fluor® 488

Catalog Number: 53-0048

Also Known As: Leu-3, T4

RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Contents: Anti-Human CD4 Alexa Fluor® 488


REF **Catalog Number:** 53-0048

Clone: OKT4 (OKT-4)

Concentration: 5 µL (0.125 µg)/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 (0.125 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 10⁵ to 10⁸ cells/test.

References

Bour S, Boulrice 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

46-0037 Anti-Human CD3 PerCP-eFluor® 710 (OKT3)

53-4732 Mouse IgG2b K Isotype Control Alexa Fluor® 488

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