
Anti-Human CD4 Functional Grade Purified

Catalog Number: 16-0048

Also Known As: Leu-3, T4

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

Product Information

Contents: Anti-Human CD4 Functional Grade Purified

REF **Catalog Number:** 16-0048

Clone: OKT4 (OKT-4)

Concentration: 1 mg/mL

Host/Isotype: Mouse IgG2b, kappa

Handling Conditions: Use in sterile environment.

Endotoxin Level: Less than 0.001 ng/ug antibody, as determined by the LAL assay.

Formulation: aqueous buffer, no sodium azide

 **Temperature Limitation:** Store at 2-8°C.

LOT **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

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 and immunoprecipitation.

Applications Tested

This OKT4 (OKT-4) antibody has been tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at less than or equal to 1 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. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Bour S, Boulterice 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

16-4732 Mouse IgG2b K Isotype Control Functional Grade Purified

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