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## 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.**

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### Product Information

**Contents:** Anti-Human CD4 Functional Grade Purified

 **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.



**Batch Code:** Refer to Vial



**Use By:** Refer to Vial

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### 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 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### 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

16-4732 Mouse IgG2b K Isotype Control Functional Grade Purified

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