

# PerCP Anti-Human CD4 (OKT4) Monoclonal Antibody



天津三箭生物技术股份有限公司  
Tianjin Sungene Biotech Co., Ltd.  
精准 高效 稳定 Precision Efficient Stable

Catalog Number	Vial Size
H10041-32G	25 tests
H10041-32H	100 tests

**Market** | 400-621-0003  
marketing@sungenebiotech.com

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techsupport@sungenebiotech.com

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**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.  
This product is guaranteed up to one year from purchase.

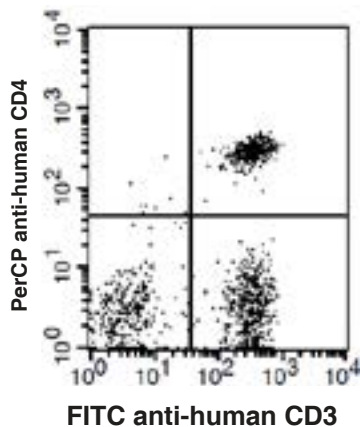
## Purified Antibody Characterization

Clone	Isotype	Reactivity
OKT4	Mouse IgG2b	Human

## Description

CD4, also known as T4, is a 55 kD single-chain type I transmembrane glycoprotein expressed on most thymocytes, a subset of T cells, and monocytes/macrophages. CD4, a member of the Ig superfamily, recognizes antigens associated with MHC class II molecules and participates in cell-cell interactions, thymic differentiation, and signal transduction. CD4 acts as a primary receptor for HIV, binding to HIV gp120. CD4 has also been shown to interact with IL-16. The OKT4 antibody binds to the D3 domain of CD4 and does not block HIV binding.

## Illustration of Immunofluorescent Staining



Human peripheral blood lymphocytes stained with PerCP anti-human CD4 and FITC anti-human CD3

## Product Information

**Conjugation:** PerCP

**Formulation:** PBS pH 7.2, 0.09% NaN<sub>3</sub>, 0.2% BSA

**Storage:** Keep as concentrated solution. Store at 4°C and protected from prolonged exposure to light. **Do not freeze.**

**Application:** Recommended Application: FC

**Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis (The amount of the reagent is suggested to be used from 20 µL to 5 µL per 100 µL of peripheral blood. Please check your vial). Since applications vary, the appropriate dilutions must be determined for individual use.

## References

- [1] Knapp, W., et al. 1989. Leucocyte Typing IV. Oxford University Press. New York.
- [2] Reinherz EL., et al. 1979. Proc. Natl. Acad. Sci. 76:4061.
- [3] Kmiecik, M., et al. 2009. J. Transl. Med. 7:89.
- [4] Cicin-Sain, L., et al. 2010. J. Immunol. 184:6739.
- [5] Rosenzweig, M., et al. 2001. J. Med. Primatol. 30:36.

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