

Product Data Sheet

PE anti-human CD4

Catalog # / Size: 317409 / 25 tests

317410 / 100 tests

Clone: OKT4

Isotype: Mouse IgG2b, κ

Reactivity: Human, Cross-Reactivity: Chimpanzee, Cynomolgus, Rhesus

Preparation: The antibody was purified by affinity chromatography, and conjugated with

PE under optimal conditions. The solution is free of unconjugated PE and

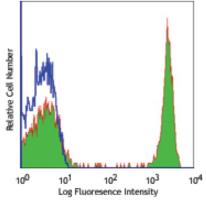
unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and

0.2% (w/v) BSA (origin USA).

Storage: The antibody solution should be stored undiluted at 4°C and protected from

prolonged exposure to light. Do not freeze.



Human peripheral blood lymphocytes stained with OKT4 PE

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent

staining with flow cytometric analysis. Test size products are transitioning from 20 μ l to 5 μ l per test. Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 μ l staining volume or per 100 µl of whole blood. It is recommended that the reagent be titrated for

optimal performance for each application. Read more at www.biolegend.com/testsize regarding the test size change.

Application Notes: The OKT4 antibody binds to the D3 domain of CD4 and does not block HIV binding. Additional reported applications

(for the relevant formats) include: immunohistochemistry of frozen sections and blocking of T cell activation. The LEAF™ purified antibody (Endotoxin <0.1 EU/μg, Azide-Free, 0.2 μm filtered) is recommended for functional assays

(Cat. No. 317404).

Application 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. Kmieciak M, et al. 2009. J. Transl. Med. 7:89. (FC) PubMed 4. Cicin-Sain L, et al. 2010. J. Immunol. 184:6739. PubMed Rosenzweig M, et al. 2001. J. Med. Primatol. 30:36.
Linder J, et al. 1987. Am. J. Pathol. 127:1.

7. Boche D, et al. 1999. J. Neurovirol. 5:232. (IHC)

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 lg 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.

Antigen References: 1. Center D, et al. 1996. Immunol. Today 17:476.

2. Gaubin M, et al. 1996. Eur. J. Clin. Chem. Clin. Biochem. 34:723.

Related Products: Product Clone Application PE Mouse IgG2b, κ Isotype Ctrl MPC-11 FC, ICFC FC, ICC, ICFC

Cell Staining Buffer

RBC Lysis Buffer (10X) Human TruStain FcX™ (Fc Receptor Blocking Solution) FC, ICFC FC, ICC, ICFC



