

# Mouse anti-Human CD4, Purified mAb

Catalog No: #AB28010

Orders: [order@abscitech.com](mailto:order@abscitech.com)Support: [tech@abscitech.com](mailto:tech@abscitech.com)

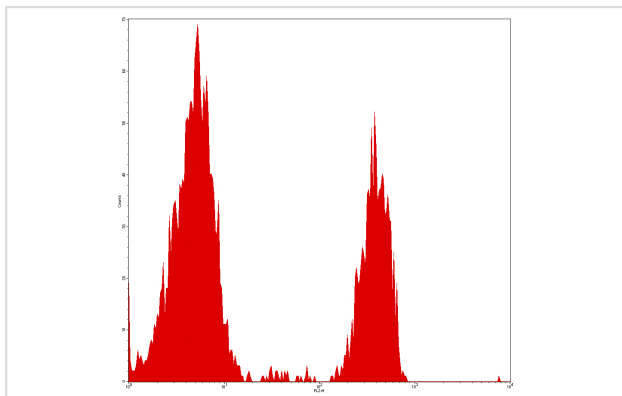
## Description

|                    |  |
|--------------------|--|
| Product Name       | Mouse anti-Human CD4, Purified mAb                                 |
| Host Species       | Mouse  |
| Clonality          | Monoclonal   |
| Clone No.          | 4AT4   |
| Isotype            | Mouse IgG2b  |
| Applications       | FC   |
| Species Reactivity | Hu   |
| Target Name        | CD4  |
| Concentration      | 1mg/ml   |
| Formulation        | Phosphate-buffered solution, pH 7.4, containing 0.09% sodium azide |
| Storage            | Store at 4°C.DO NOT FREEZE.  |

## Application Details

Notice: This reagent has been pre-diluted for use at recommended volume per test in flow cytometry analysis. Typically add 10ul of this reagent to 100µl of experimental sample with 1 X 10<sup>6</sup> cells per test. Please refer to the detailed protocol when you perform a test.

## Images



Human peripheral blood lymphocytes analyzed with Purified CD4 mAb, followed by anti-mouse IgGs-PE

## Background

CD4, also known as T4, is a 55 kD single chain transmembrane glycoprotein and belongs to immunoglobulin superfamily. CD4 is found on most thymocytes, a subset of T cells and at low level on monocytes/macrophages.

CD4 is a co-receptor involved in immune response (co-receptor activity in binding to MHC class II molecules) and HIV infection (CD4 is primary receptor for HIV-1 surface glycoprotein gp120). CD4 regulates T-cell activation, T/B-cell adhesion, T-cell differentiation, T-cell selection and signal transduction.

1. Ledbetter, J et al. (1981) J Exp Med 153:310-323.
2. Haynes, B et al. (1986) Leukocyte Typing II: Human T lymphocytes. New York: Springer-Verlag; 3-30.
3. Clevers H et al. (1988). Ann Rev Immunol 6 : 629-662.
4. Barclay, N et al. (1993). The Leucocyte Factsbook. Academic Press. San Diego.

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.