

Mouse anti-Human CD4, Biotin Conjugated mAb

Catalog No: #28015

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Description

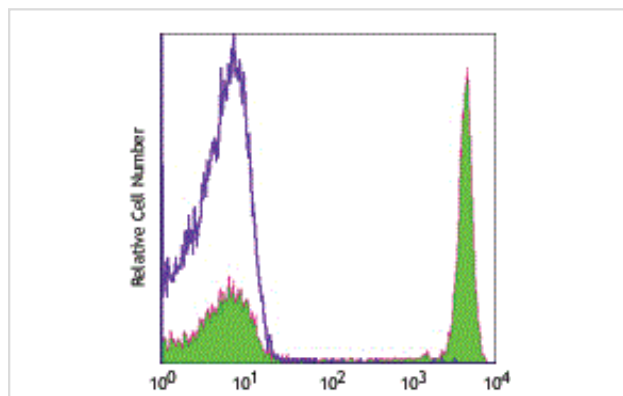
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|--------------------|---|
| Product Name | Mouse anti-Human CD4, Biotin Conjugated mAb |
| Host Species | Mouse |
| Clonality | Monoclonal |
| Clone No. | 4AT4 |
| Isotype | IgG2b |
| Applications | FC |
| Species Reactivity | Hu |
| Conjugates | Biotin |
| Target Name | CD4 |
| Formulation | Phosphate-buffered solution, pH 7.4, containing 0.09% sodium azide and 0.2% (w/v) BSA |
| Storage | Store at 4°C. DO NOT FREEZE. LIGHT SENSITIVE MATERIAL. |

Application Details

Vol.per.Test: 10 &mu;l/Test

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 10⁶ cells per test. Please refer to the detailed protocol when you perform a test.

Images



Human peripheral blood lymphocytes analyzed with Biotin CD4 mAb, followed by Sav-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.

Note: This product is for in vitro research use only