



# CD4 Monoclonal Antibody,APC Conjugated

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| <b>Product Code</b>        | CSB-MA043428   |
| <b>Storage</b>             | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.  |
| <b>Raised In</b>           | Mouse  |
| <b>Species Reactivity</b>  | Human  |
| <b>Tested Applications</b> | ELISA,IF,FC;Recommended dilution:IF:1:100-1:200  |
| <b>Relevance</b>           | <p>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.</p> <p>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.</p> <ol style="list-style-type: none"><li>1. Ledbetter, J et al. (1981) J Exp Med 153:310-323.</li><li>2. Haynes, B et al. (1986) Leukocyte Typing II: Human T lymphocytes. New York: Springer-Verlag; 3-30.</li><li>3. Clevers H et al. (1988). Ann Rev Immunol 6 : 629-662.</li><li>4. Barclay, N et al. (1993). The Leucocyte Factsbook. Academic Press. San Diego.</li></ol> |
| <b>Form</b>                | Phosphate-buffered solution, pH7.4, containing 0.09% sodium azide and 0.2% (w/v) BSA   |
| <b>Isotype</b>             | IgG2b  |
| <b>Clonality</b>           | Monoclonal   |
| <b>Product Type</b>        | Monoclonal Antibody  |
| <b>Immunogen Species</b>   | Homo sapiens (Human)   |
| <b>Clone No.</b>           | 30F7   |
| <b>Usage</b>               | For Research Use Only. Not for use in diagnostic or therapeutic procedures.  |