



# CD19 Monoclonal Antibody, FITC Conjugated

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| <b>Product Code</b>        | CSB-MA047662   |
| <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>COC19 reacts with CD19 (B4), a 90 kDa molecule, which is expressed on approximately 5-25% of human peripheral blood lymphocytes. CD19 antigen is present on human B lymphocytes at most stages of maturation, from the earliest Ig gene rearrangement in pro-B cells to mature cell, as well as malignant B cells, but is lost on maturation to plasma cells. CD19 antibody does not react with T lymphocytes, monocytes and granulocytes. CD19 is a critical signal transduction molecule that regulates B lymphocyte development, activation and differentiation. This clone is cross reactive with non-human primate.</p> <p>* CD19 is a key phenotyping marker of non-T cell leukemia.</p> <ol style="list-style-type: none"><li>1. Nadler, LM et al. (1983) J. Immunol. 131:244</li><li>2. Schlossman, SL et al., eds. (1995) Leucocyte Typing V: White Cell Differentiation Antigens, Oxford University Press, New York.</li><li>3. Tedder T. et al. (1994) Immunol Today. 15:437-442</li></ol> |
| <b>Form</b>                | Phosphate-buffered solution, pH 7.4, containing 0.09% sodium azide and 0.2% (w/v) BSA  |
| <b>Isotype</b>             | IgG1   |
| <b>Clonality</b>           | Monoclonal   |
| <b>Product Type</b>        | Monoclonal Antibody  |
| <b>Immunogen Species</b>   | Homo sapiens (Human)   |
| <b>Clone No.</b>           | 3H3  |
| <b>Usage</b>               | For Research Use Only. Not for use in diagnostic or therapeutic procedures.  |