

30-1978: Anti-CD19 Monoclonal Antibody (Clone:LT19)-FITC Conjugated

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| Clonality : | Monoclonal |
| Clone Name : | LT19 |
| Application : | FACS |
| Reactivity : | Human |
| Conjugate : | FITC |
| Gene : | CD19 |
| Gene ID : | 930 |
| Uniprot ID : | P15391 |
| Alternative Name : | CD19 |
| Isotype : | Mouse IgG1 |
| Immunogen Information : | Daudi human Burkitt lymphoma cell line |

Description

CD19 is a transmembrane glycoprotein of Ig superfamily expressed by B cells from the time of heavy chain rearrangement until plasma cell differentiation. It forms a tetrameric complex with CD21 (complement receptor type 2), CD81 (TAPA-1) and Leu13. Together with BCR (B cell antigen receptor), this complex signals to decrease B cell threshold for activation by the antigen. Besides being signal-amplifying coreceptor for BCR, CD19 can also signal independently of BCR coligation and it turns out to be a central regulatory component upon which multiple signaling pathways converge. Mutation of the CD19 gene results in hypogammaglobulinemia, whereas CD19 overexpression causes B cell hyperactivity.

Product Info

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| Amount : | 100 tests |
| Storage condition : | Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. |

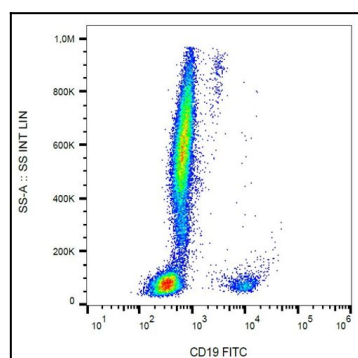


Figure 1: Flow cytometry analysis (surface staining) of human peripheral blood cells with anti-human CD19 (LT19) FITC.