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## 30-2197: Anti-CD19 Monoclonal Antibody (Clone:LT19)-PE Conjugated

Clonality: Monoclonal

**Clone Name:** LT19 Application: FACS. IP Reactivity: Human Conjugate: PΕ 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 treshold 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**

Amount: 100 tests

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

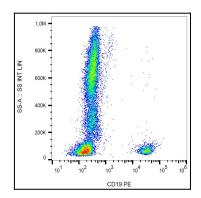


Figure 1: Surface staining of human peripheral blood cells with anti-human CD19 (LT19) PE.