

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

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

Clonality: Monoclonal

Clone Name: LT19 **FACS** Application: 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 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.

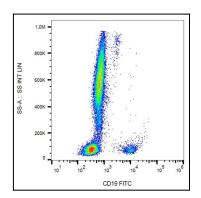


Figure 1: Flow cytometry analysis (surface staining) of human peripheral blood cells with anti-human CD19 (LT19) FITC.