

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

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

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

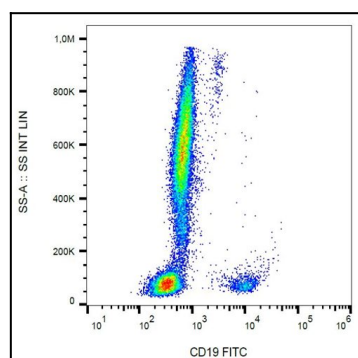


Figure 1: Flow cytometry analysis (surface staining) of human peripheral blood cells with anti-human CD19 (LT19) FITC.