

### 30-1193: Anti-CD19 Monoclonal Antibody (Clone:LT19)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	LT19
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Gene :</b>	CD19
<b>Gene ID :</b>	930
<b>Uniprot ID :</b>	P15391
<b>Format :</b>	Purified
<b>Alternative Name :</b>	CD19
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	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

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

#### Application Note

**Flow Cytometry** *Recommended dilution: 5 Åµg/ml*  
**Immunoprecipitation**

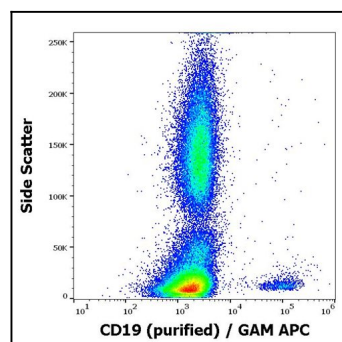


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD19 (LT19) purified antibody

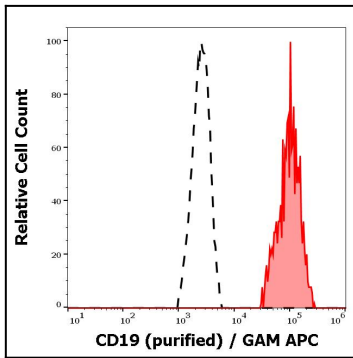


Figure 2: Separation of human CD19 positive lymphocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of peripheral whole blood stained using anti-human CD19 (LT19) purified antibody