

30-2281: Anti-CD19 Monoclonal Antibody (Clone:1D3)-PE Conjugated

Clonality :	Monoclonal
Clone Name :	1D3
Application :	FACS, IP, IHC-Fr, Functional Assay
Reactivity :	Mouse
Conjugate :	PE
Gene :	Cd19
Gene ID :	12478
Uniprot ID :	P25918
Alternative Name :	Cd19
Isotype :	Rat IgG2a
Immunogen Information :	Mouse CD19-transfected 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 :	0.1 mg
Storage condition :	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

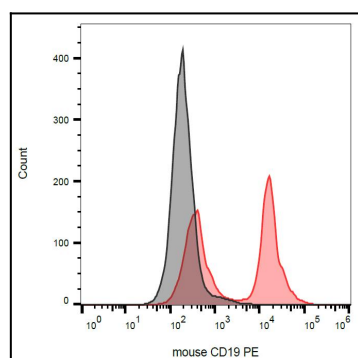


Figure 1: Surface staining of CD19 in murine splenocytes with anti-CD19 (1D3) PE.