



Product Datasheet
Mouse CD19 monoclonal antibody (APC)
Catalogue Code: AGIM0552

Antibody Data

Product SKU:	AGIM0552	Clone	1D3
Applications:	FC	Conjugate	APC
Reactivity:	Mouse		

Immunogen Information:

Host Species: Rat

Isotype: IgG2a

Storage: Store at 4 °C. Avoid prolonged exposure to light.

Background:

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.