

Mouse anti-CD19, clone LT19, R-PE (Monoclonal)

Clone no. LT19

MONOSAN

Product name	Mouse anti-CD19, clone LT19, R-PE (Monoclonal)
Host	Mouse
Applications	FC
Species reactivity	Human
Conjugate	PE
Immunogen	Daudi human Burkitt lymphoma cell line
Isotype	IgG1
Clonality	Monoclonal
Clone number	LT19
Size	100 tests
Concentration	n/a
Format	-
Storage buffer	Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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Additional info

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.

References

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