

30-2819: Anti-Ms CD19 Purified

Clonality :	Monoclonal
Clone Name :	1D3
Application :	FACS, IP, IHC-Fr
Reactivity :	Mouse
Gene :	CD19
Gene ID :	12478
Uniprot ID :	P25918
Format :	Purified
Alternative Name :	CD19 molecule B4, Leu-12, Cvid
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.

Specificity : The rat monoclonal antibody 1D3 detects an extracellular epitope of murine CD19, 95 kDa type I transmembrane glycoprotein (immunoglobulin superfamily) expressed on B lymphocytes and follicular dendritic cells; it is lost on plasma cells.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-G affinity chromatography.
Content :	Storage Buffer: Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Flow cytometry: Recommended dilution: 1-4 µg/ml