

CD19

Mouse Anti-Human CD19 (Clone SJ25-C1) mAb, FITC

Catalog No.	MON1188F	Quantity:	0.5 ml
Alternate Names:	B-lymphocyte antigen CD19, B-lymphocyte surface antigen B4, Differentiation antigen CD19, T-cell surface antigen Leu-12		
Description:	<p>CD19 is a member of the immunoglobulin superfamily and has two Ig like domains. The CD19 molecule is expressed on 100% of the peripheral B cells as defined by expression of kappa or lambda light chains. CD19 appears to be expressed on myeloid leukemia cells, particularly those of monocytic lineage. Leukemia phenotype studies have demonstrated that the earliest and broadest B cell restricted antigen is the CD19 antigen. The receptor for CD19 is an important functional regulator of normal and malignant B cell proliferation, and is expressed in all B cell precursor leukemia's. Lymphocytes proliferate and differentiate in response to various concentrations of different antigens. The ability of the B cell to respond in a specific, yet sensitive manner to the various antigens is achieved with the use of low-affinity antigen receptors. CD19 is a cell surface molecule which assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation. Besides being a signal-amplifying co-receptor for the B cell receptor (BCR), CD19 can also signal independently of BCR co-ligation and is 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.</p>		
Concentration:	0.2 mg/ml		
UniProt ID:	P15391		
Gene ID:	930		
Host:	Mouse		
Immunogen:	Nalm 1 Human cell line		
Isotype:	IgG1		
Clone:	SJ25-C1		
Conjugate:	FITC		
Formulation:	PBS containing 0.4% BSA and 0.1% sodium azide		
Applications:	Flow cytometry		
Storage & Stability:	Store in the dark at 2-8°C until expiration date.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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