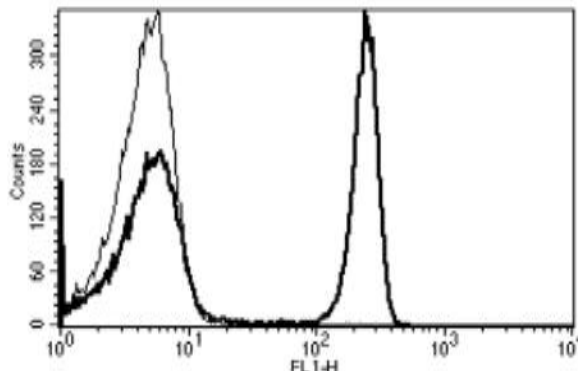


CD4

Mouse Anti-Human CD4 (Clone B-A1) FITC mAb

Catalog No.	CDM361	Quantity:	100 tests
Alternate Names:	CD4mut, T-cell surface antigen T4/Leu-3		
Description:	The mouse monoclonal antibody recognizes human CD4, a membrane glycoprotein of T lymphocytes that interacts with major histocompatibility complex class II (MHC II) and is also a receptor for the human immunodeficiency virus. This gene is expressed not only in T lymphocytes, but also in B cells, macrophages, and granulocytes. It is also expressed in specific regions of the brain. The protein functions to initiate or augment the early phase of T-cell activation, and may function as an important mediator of indirect neuronal damage in infectious and immune-mediated diseases of the central nervous system.		
Gene ID:	920		
Concentration:	100 tests/ml		
Conjugate:	FITC		
Specificity:	Recognizes a 55 kDa protein.		
Host:	Mouse		
Isotype:	IgG2a		
Immunogen:	Human thymocytes and jurkat cell lines		
Clone:	B-A1		
Formulation:	Liquid in PBS + 5% BSA + 0.09% sodium azide. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
Biological Activity:	Kd : 0.142 nM		
Applications:	Flow Cytometry		
Application Notes:	Use 10 µl to label 10 ⁶ cells or 100 µl of whole blood. The optimal concentration should be determined by the user for each specific application.		
Storage & Stability:	Store at 2-8°C for up to 1 year. For longer storage, freeze aliquots at -20 to -80°C. Avoid repeated freeze-thaw cycles.		

A typical staining pattern with the Anti-Human CD4 Clone B-A1 monoclonal antibody of lymphocytes



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