

Datasheet for ABIN1106440
anti-CD5 antibody (FITC)



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Overview

Quantity:	100 tests
Target:	CD5
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD5 antibody is conjugated to FITC
Application:	Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

Clone:	MCD5
Isotype:	IgG2b
Specificity:	MCD5 recognizes a 67 kDa antigen on human T cells. Other species not tested.
Purification:	Affinity chromatography

Target Details

Target:	CD5
Alternative Name:	CD5 (CD5 Products)
Background:	CD5 appears to be a relatively late marker during B cell differentiation. CD5 expression is thought to be absent on surface Ig negative B-lineage cells but appears on IgM+ cells in both fetal liver and bone marrow. It co-precipitates with the T cell receptor and, in particular with Lck. A role for CD5 in signal transduction is postulated based on stimulatory effects of CD5

Target Details

monoclonal antibodies. CD5 antigen is phosphorylated on tyrosine residues on T cell activation. There is evidence that CD5 plays a role in thymocyte selection, as well as a role in cell-cell recognition. Recently CD5 on B cells has been shown to be an endogenous ligand selective for B-cell surface IgFR (framework region) sequences. Interaction of surface Ig with CD5, other endogenous antigens or (in mucosal sites) exogenous superantigens can provide B cells with continual stimulation and might prevent their elimination from the immune system. In addition, B cell superantigens, e.g. Staphylococcus aureus Cowan strain 1, may contribute to the pathogenesis of autoimmune diseases and malignancies. Synonyms: CD5, LEU1, Lymphocyte antigen T1/Leu-1, T-cell surface glycoprotein CD5

Gene ID:	921
NCBI Accession:	NP_055022
UniProt:	P06127

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Buffer:	0.01 M sodium phosphate, 0.15 M NaCl, pH 7.3, 0.2 % BSA, 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C. This product is photosensitive and should be protected from light.

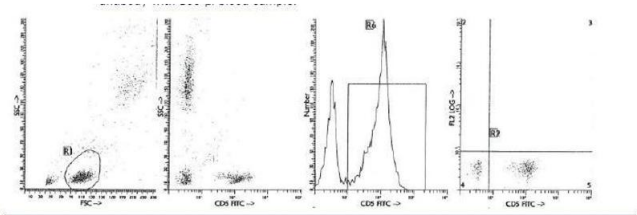


Image 1.