

Datasheet for ABIN135109
anti-CD5 antibody (Biotin)



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1 Image

Overview

Quantity:	0.5 mg
Target:	CD5
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This CD5 antibody is conjugated to Biotin
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	Unknown
Clone:	B19-1
Isotype:	IgG2a
Specificity:	Mouse CD5, Mr 67 kDa
Characteristics:	Rat Anti-Mouse CD5-BIOT

Target Details

Target:	CD5
Alternative Name:	CD5 (CD5 Products)
Background:	CD5/Lyt-1 antigen is a monomeric type I transmembrane glycoprotein expressed on thymocytes, T lymphocytes, and a subset of B lymphocytes, but not on natural killer (NK) cells.

Target Details

It has been identified as the major ligand of the B-cell antigen CD72. The frequency of CD5+ B cells exhibits strain-dependent variation, and the phenotypic, anatomical, functional, developmental, and pathological characteristics of the CD5+ B cells suggest that they may represent a distinct lineage, known as B-1 cells. Binding of CD5 on the T cell surface can augment alloantigen- or mitogen-induced lymphocyte proliferation and induces increased cytosolic free calcium, IL-2 secretion, and IL-2R expression. It has been proposed that CD5 negatively regulates signal transduction mediated by the T-cell and B-cell receptors.

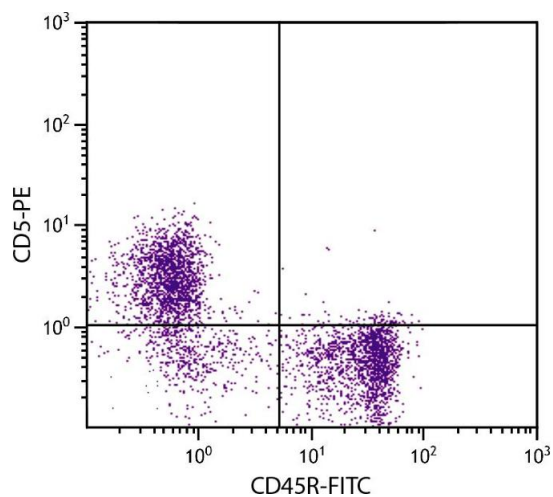
Application Details

Application Notes:	• Applications: FC - Quality tested , IP - Reported in literature , WB - Reported in literature • Working Dilutions: Flow Cytometry FITC and BIOT conjugates 1 g/106 cells PE, APC, and SPRD conjugates 0.2 g/106 cells For flow cytometry, the suggested use of these reagents is in a final volume of 100 L
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Sample Volume:	1 mL
Restrictions:	For Research Use only

Handling

Concentration:	0.5 mg/mL
Buffer:	0.5 mg in 1.0 mL of PBS/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.
Handling Advice:	Protect conjugated products from light. Each reagent is stable for the period shown on the bottle label if stored as directed.
Storage:	4 °C
Storage Comment:	Store at 2-8°C



Flow Cytometry

Image 1. BALB/c mouse splenocytes were stained with Rat Anti-Mouse CD5-PE.