Datasheet for ABIN375937

anti-CD3 epsilon antibody (Biotin)

1 Image

Go to Product page

Overview

Quantity:	0.5 mg
Target:	CD3 epsilon (CD3E)
Reactivity:	Mouse
Host:	Hamster
Clonality:	Monoclonal
Conjugate:	This CD3 epsilon antibody is conjugated to Biotin
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	Immune complexes isolated from C6VL-BS thymoma cells
Clone:	500-A2
Isotype:	IgG
Specificity:	Mouse CD3 Mr 25 kDa
Characteristics:	Hamster Anti-Mouse CD3e-BIOT
Purification:	Purified

Target Details

Target:	CD3 epsilon (CD3E)
Alternative Name:	CD3e (CD3E Products)
Background:	CD3 ε, a member of the immunoglobulin superfamily of cell surface receptors, is comprised of

Target Details

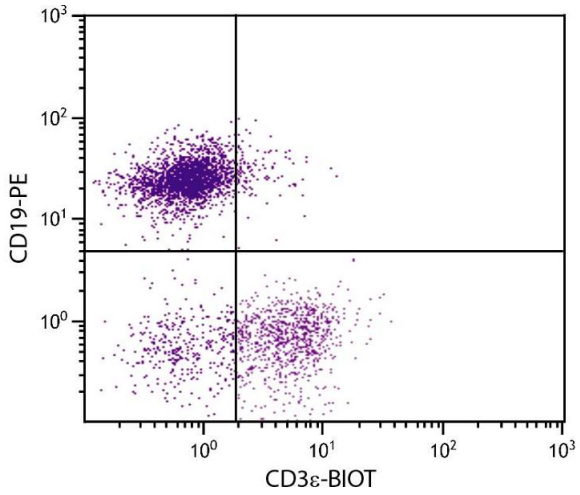
	five invariable chains ranging in size from 16-28 kDa and is closely associated with the T cell antigen receptor (TCR). CD3 ε is expressed on all T cells of all mouse strains. CD3 plays a major role in signaling during antigen recognition, leading to T-cell activation.
Pathways:	TCR Signaling, CXCR4-mediated Signaling Events, Ubiquitin Proteasome Pathway

Application Details

Application Notes:	• **Applications:** FC - Quality tested , IHC-FS - Reported in literature , IP - Reported in literature , Activ - Reported in literature • **Working Dilutions:** Flow Cytometry FITC conjugate 3 g/106 cells BIOT conjugate 1 g/106 cells PE, APC, and APC/CY5.5 conjugates 0.3 g/106 cells SPRD and CY5 conjugates 0.1 g/106 cells For flow cytometry, the suggested use of these reagents is in a final volume of 100 l
Comment:	In vitro activation of T cells
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 Hamster Anti-Mouse CD3ε-BIOT.