Datasheet for ABIN375777

anti-CD3 epsilon antibody (APC)

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Overview

Quantity:	0.1 mg
Target:	CD3 epsilon (CD3E)
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This CD3 epsilon antibody is conjugated to APC
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	IL-4 producing Th2 cell lines including D10
Clone:	C363-29B
Isotype:	IgG2b
Specificity:	Mouse CD3, Mr 25 kDa
Characteristics:	Rat Anti-Mouse CD3e-APC
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 chain ranging in size from 16-28 kDa and is closely associated with the T cell antigen receptor (TCR). It 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 , IHC-PS - Reported in literature , IP - Reported in literature , Depletion - Reported in literature , Activ - Reported in literature , CMCD - Reported in literature • **Working Dilutions:** Flow Cytometry FITC and BIOT conjugates 3 g/106 cells PE, APC, SPRD, and CY5 conjugates 1 g/106 cells For flow cytometry, the suggested use of these reagents is in a final volume of 100 L
Comment:	In vitro depletion of CD3+ cells, In vitro activation of T cells
Sample Volume:	1 mL
Restrictions:	For Research Use only

Handling

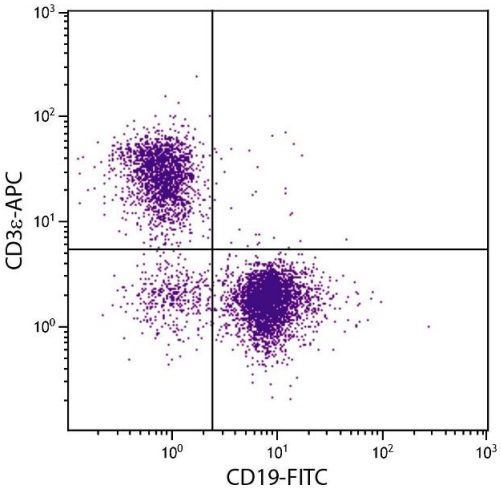
Concentration:	0.1 mg/mL
Buffer:	0.1 mg in 1.0 mL of PBS/Sodium azide and a stabilizing agent
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	**Do not freeze!** **Protect 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

Publications

Product cited in:	Safari, Dekker, Rijkers, Snippe: "Codelivery of adjuvants at the primary immunization site is essential for evoking a robust immune response to neoglycoconjugates." in: **Vaccine**, (2010) (PubMed).

Publications

Images



Flow Cytometry

Image 1. BALB/c mouse splenocytes were stained with Rat Anti-Mouse CD3ε-APC.