Datasheet for ABIN135086

anti-CD3 epsilon antibody (FITC)

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Overview

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

Product Details

Immunogen:	H-2Kb-specific murine cytotoxic T-lymphocyte (CTL) clone BM10-37
Clone:	145-2C11
Isotype:	IgG
Specificity:	Mouse CD3, Mr 25 kDa
Characteristics:	Hamster Anti-Mouse CD3e-FITC

Target Details

Target:	CD3 epsilon (CD3E)
Alternative Name:	CD3e (CD3E Products)
Background:	CD3, a member of the immunoglobulin superfamily of cell surface receptors, is comprised of five invariable chains ranging in size from 16-28 kDa and is closely associated with the T cell

Target Details

	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 - Reported in literature , IP - Reported in literature , WB - Reported in literature , Block - Reported in literature , Depletion - Reported in literature , Activ - Reported in literature , CMCD - Reported in literature • **Working Dilutions:** Flow Cytometry FITC conjugate 3 g/106 cells BIMA and AF488 conjugates 1 g/106 cells PE, APC, SPRD, and AF647 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 depletion of CD3+ cells, 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 or 0.1 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

Publications

Product cited in:	Xu, Greenland, Gotts, Matthay, Caughey: "Cathepsin L Helps to Defend Mice from Infection with Influenza A." in: **PLoS ONE**, Vol. 11, Issue 10, pp. e0164501, (2017) (PubMed). Bauler, Duckett, ORiordan: "XIAP regulates cytosol-specific innate immunity to Listeria infection. " in: **PLoS pathogens**, Vol. 4, Issue 8, pp. e1000142, (2008) (PubMed).

Images

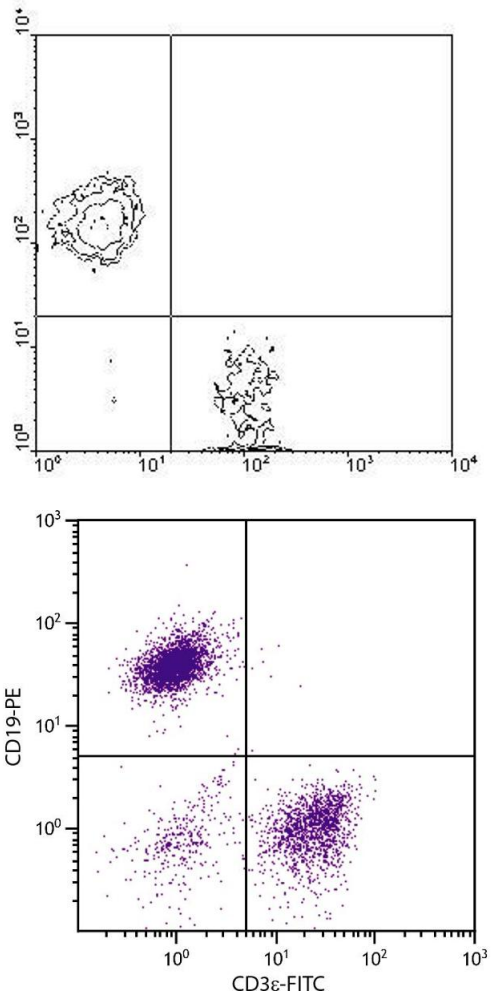

Image 1.

Flow Cytometry

Image 2. BALB/c mouse splenocytes were stained with Hamster Anti-Mouse CD3ε-FITC.