

Datasheet for ABIN135092
anti-CD3 epsilon antibody

2 Images



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Overview

Quantity:	0.5 mg
Target:	CD3 epsilon (CD3E)
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This CD3 epsilon antibody is un-conjugated
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-UNLB
Purification:	Purified

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

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: 0.5 mg/mL

Buffer: 0.5 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. No preservatives or amine-containing buffer salts added

Preservative: Without preservative

Handling Advice: 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

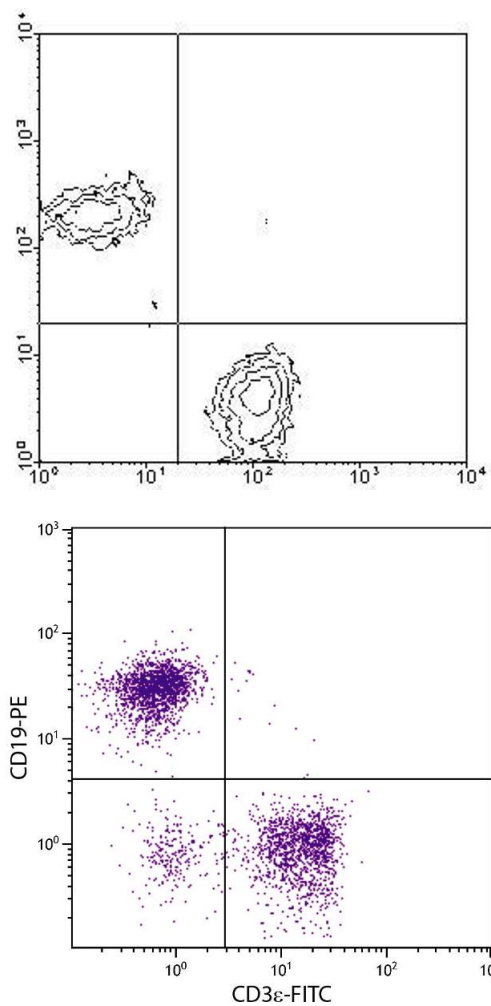


Image 1.

Flow Cytometry

Image 2. C57BL/6 mouse splenocytes were stained with Rat Anti-Mouse CD3ε-FITC.