

Datasheet for ABIN135093

anti-CD3 epsilon antibody (FITC)[Go to Product page](#)**2** Images**1** Publication

Overview

Quantity:	0.5 mg
Target:	CD3 epsilon (CD3E)
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This CD3 epsilon antibody is conjugated to FITC
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-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 chain 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-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 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: Grødeland, Mjaaland, Tunheim, Fredriksen, Bogen: "The specificity of targeted vaccines for APC surface molecules influences the immune response phenotype." in: **PLoS ONE**, Vol. 8, Issue 11, pp. e80008, (2013) ([PubMed](#)).

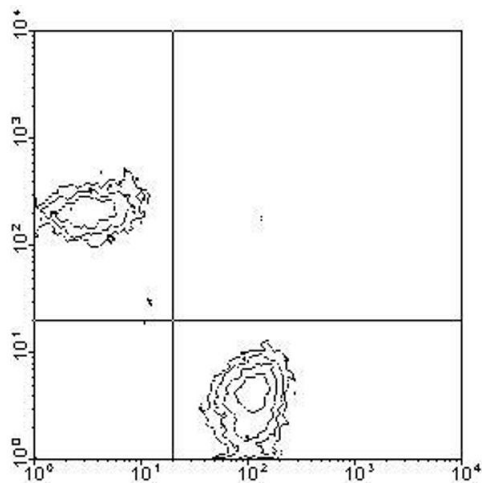
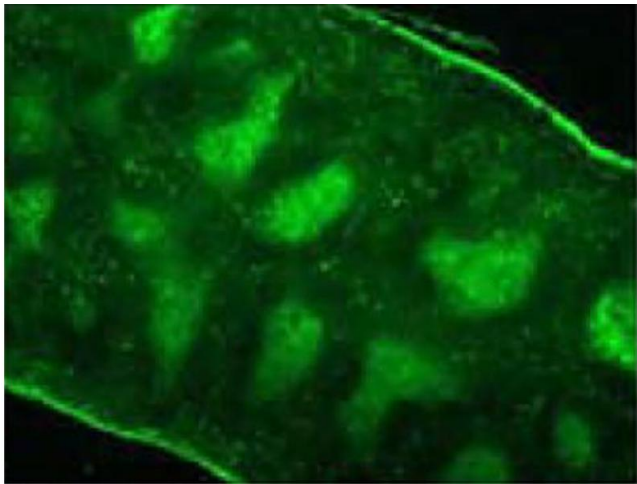


Image 1.



Immunofluorescence

Image 2. Frozen mouse splenic section was stained Rat Anti-Mouse CD3e-FITC