Datasheet for ABIN135085

anti-CD3 epsilon antibody

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Overview

Quantity:	0.5 mg
Target:	CD3 epsilon (CD3E)
Reactivity:	Mouse
Host:	Hamster
Clonality:	Monoclonal
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-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 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 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

Publications

Product cited in:	Ershaid, Sharon, Doron, Raz, Shani, Cohen, Monteran, Leider-Trejo, Ben-Shmuel, Yassin, Gerlic, Ben-Baruch, Pasmanik-Chor, Apte, Erez: "NLRP3 inflammasome in fibroblasts links tissue damage with inflammation in breast cancer progression and metastasis." in: **Nature communications**, Vol. 10, Issue 1, pp. 4375, (2020) (PubMed).

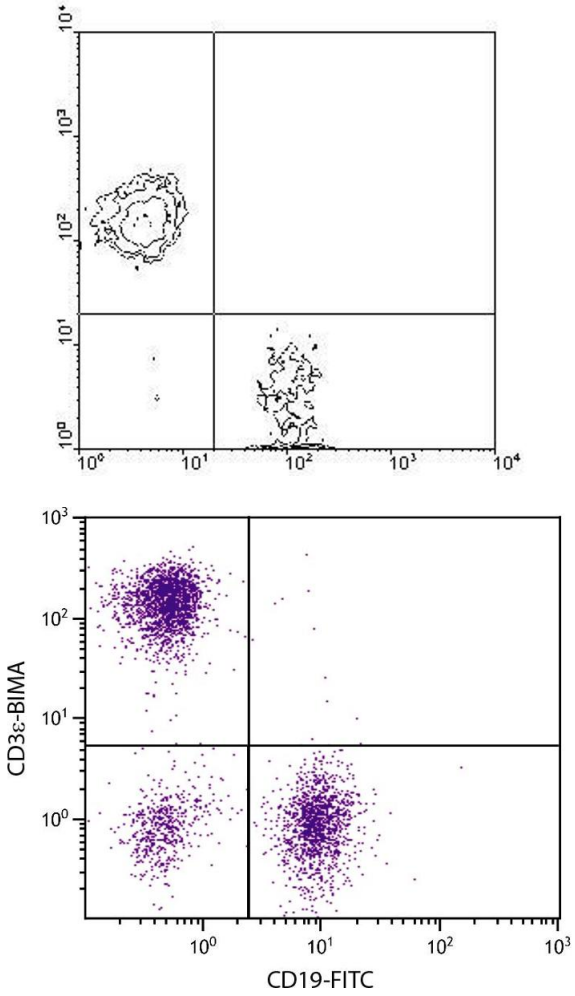

Image 1.

Flow Cytometry

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