Datasheet for ABIN5668191

Recombinant anti-CD3 epsilon antibody

2 Images

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Overview

Quantity:	200 µg
Target:	CD3 epsilon (CD3E)
Reactivity:	Human
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This CD3 epsilon antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (IHC)

Product Details

Purpose:	Anti-CD3 epsilon [UCHT1], Mouse IgG1, kappa
Immunogen:	Human infant thymocytes.
Clone:	UCHT1
Isotype:	IgG1 kappa
Specificity:	Epitopes on CD3-ε found in heterodimers with CD3-δ and with CD3-γ of α/β T cell receptor (TCR).
Characteristics:	Original Species of Ab: Mouse Original Format of Ab: IgG1
Purification:	Protein A affinity purified

Target Details

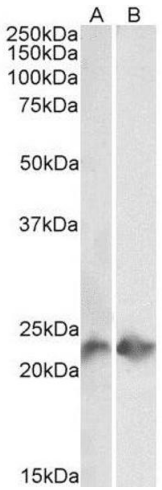
Target:	CD3 epsilon (CD3E)
Alternative Name:	CD3 epsilon (CD3E Products)
Background:	CD3e, T-cell surface glycoprotein CD3 epsilon chain, T-cell surface antigen T3/Leu-4 epsilon chain, CD3-ε,
UniProt:	P07766
Pathways:	TCR Signaling, CXCR4-mediated Signaling Events, Ubiquitin Proteasome Pathway

Application Details

Application Notes:	This antibody binds to murine CD3 epsilon. It partially cross-blocks binding of clone 500A2 (Ab00212) indicating that overlapping epitopes are detected by these antibodies.
Restrictions:	For Research Use only

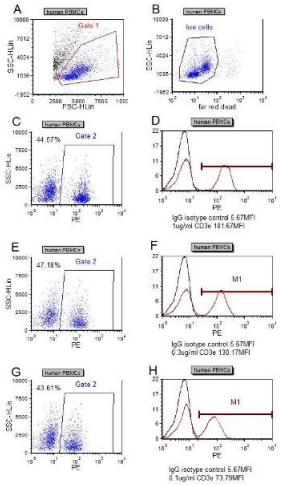
Handling

Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % Proclin 300.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.



Western Blotting

Image 1. Western Blot analysis of (3 µg/ml) staining of Jurkat (A) and Molt4 (B) lysates (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Flow Cytometry

Image 2. Flow-cytometric analysis of the dose-dependency (D, F, H) of anti-hCD3e antibody binding to live human PBMCs (B). The gating strategy is shown for control puposes (A, B, C, E, G).