

Datasheet for ABIN5668185

Recombinant anti-CD3 epsilon antibody[Go to Product page](#)**1** Image

Overview

Quantity:	200 µg
Target:	CD3 epsilon (CD3E)
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Chimeric
Conjugate:	This CD3 epsilon antibody is un-conjugated
Application:	Flow Cytometry (FACS), Activation (Act)

Product Details

Purpose:	Anti-CD3 epsilon [12F6], Rabbit IgG, kappa
Immunogen:	Human CD3
Clone:	12F6
Isotype:	IgG kappa
Specificity:	This antibody binds to human CD3.
Characteristics:	Original Species of Ab: Mouse Original Format of Ab: IgG2a
Purification:	Protein A affinity purified

Target Details

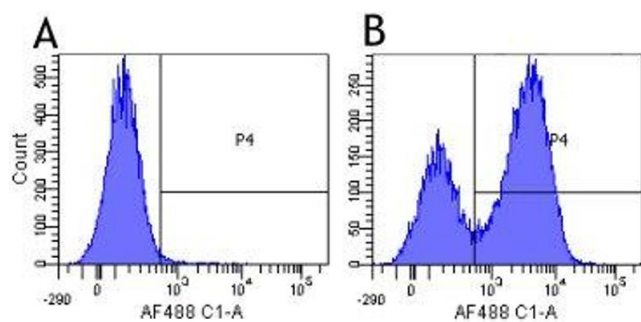
Target:	CD3 epsilon (CD3E)
Alternative Name:	CD3 epsilon (CD3E Products)
Background:	Leu4/T3, ET-cell surface glycoprotein CD3 epsilon chain, T-cell surface antigen T3/Leu-4 epsilon chain, CD3e
UniProt:	P07766
Pathways:	TCR Signaling , CXCR4-mediated Signaling Events , Ubiquitin Proteasome Pathway

Application Details

Application Notes:	This antibody competes for CD3 binding with the therapeutic antibody OKT3 (Ab00122). 12F6 binding to CD3 on human T-cells stimulates the secretion of TNF-alpha, INF-gamma and IL-10. Humanized versions of this antibody are also available.
Comment:	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG2a format, for improved compatibility with existing reagents, assays and techniques.
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.



Flow Cytometry

Image 1. Flow-cytometry using anti-CD3 antibody 12F6. Human lymphocytes were stained with an isotype control (panel A) or the rabbit-chimeric version of 12F6 (panel B) at a concentration of 1 µg/ml for 30 mins at RT. After washing, bound antibody was detected using a AF488 conjugated donkey anti-rabbit antibody (ab150073) and cells analysed on a FACSCanto flow-cytometer.