Datasheet for ABIN6731073

anti-CD3 antibody (mFluor™450)

1 Image

Go to Product page

Overview

Quantity:	25 tests
Target:	CD3
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD3 antibody is conjugated to mFluor™450
Application:	Flow Cytometry (FACS)

Product Details

Purpose:	CD3 mFluor™ 450 Antibody
Immunogen:	Thymocytes and peripheral blood lymphocytes from a Sézary Syndrome donor
Clone:	UCHT1
Isotype:	IgG1, kappa
Characteristics:	The monoclonal UCHT1 clone recognizes CD3ε antigen, a 20KDa transmembrane cell-surface protein that belongs to the immunoglobulin superfamily. The CD3 complex contains a CD3γ chain, a CD3δ chain, and two CD3ε chains. These chains associate with a molecule known as the T-cell receptor (TCR) and the ζ-chain (zeta-chain) to generate an activation signal in T lymphocytes. CD3ε is expressed on T lymphocytes, NK-T cells, and to varying degrees on developing thymocytes. CD3 plays central roles in TCR signaling, T lymphocyte activation, and antigen recognition. Crosslinking of the TCR via plate bound UCHT1 monoclonal is widely used to study the activation T cell response in vitro.

Product Details

Purification:	Purified
Purity:	>95 %
Grade:	GMP Grade

Target Details

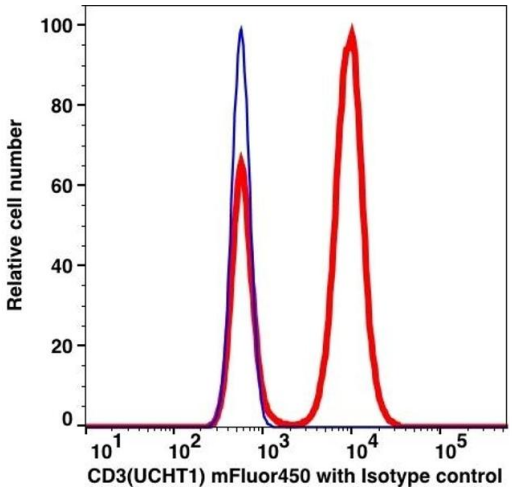
Target:	CD3
Alternative Name:	CD3 (CD3 Products)
Gene ID:	916
NCBI Accession:	NM_000733
UniProt:	P07766
Pathways:	TCR Signaling, Ubiquitin Proteasome Pathway

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS pH 7.2, 0.2 % (w/v) BSA, 0.09 % (w/v) 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.
Storage:	4 °C
Storage Comment:	2-8°C, Conjugated antibodies should never be frozen.



Flow Cytometry

Image 1.