Datasheet for ABIN7077199

anti-CD4 antibody (FITC)

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Overview

Quantity:	100 tests
Target:	CD4
Reactivity:	Human, Rhesus Monkey, Cynomolgus
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD4 antibody is conjugated to FITC
Application:	Flow Cytometry (FACS)

Product Details

Purpose:	CD4 FITC Antibody
Immunogen:	Human peripheral blood T cells
Clone:	SK3
Isotype:	IgG1, kappa
Characteristics:	The clone SK3, a mouse monoclonal antibody selectively binds with a 55-59kD type I transmembrane glycoprotein and a member of the immunoglobulin superfamily. CD4 contains four extracellular Ig-like domains (D1-D4). The epitope for SK3 is located within the D3 domain of the protein, which has a structure resembling an Ig variable domain. Expression of CD4 is observed in subsets of T lymphocytes, monocytes, macrophages, and dendritic cells. Through interaction of MHC-II, CD4 facilitates cell-cell interaction, thymic differentiation, and activation of downstream signaling cascades. HIV infection of T-cells is instigated through binding of HIV to CD4. Binding of SK3 antibody blocks HIV infection through CD4 and also blocks the mixed

Product Details

	lymphocyte reaction (MLR).
Purification:	Purified
Purity:	>95 %
Grade:	GMP Grade

Target Details

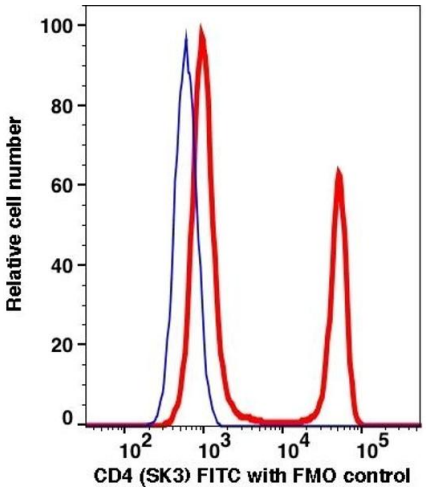
Target:	CD4
Alternative Name:	CD4 (CD4 Products)
Gene ID:	920
NCBI Accession:	NM_000616
UniProt:	P01730
Pathways:	TCR Signaling, Maintenance of Protein Location, CXCR4-mediated Signaling Events

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.