

Datasheet for ABIN7077193 **anti-CD4 antibody (PE)**



[Go to Product page](#)

1 Image

Overview

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

Product Details

Purpose:	CD4 PE Antibody
Immunogen:	Human peripheral blood T cells
Clone:	SK3
Isotype:	IgG1, kappa
Characteristics:	<p>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</p>

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

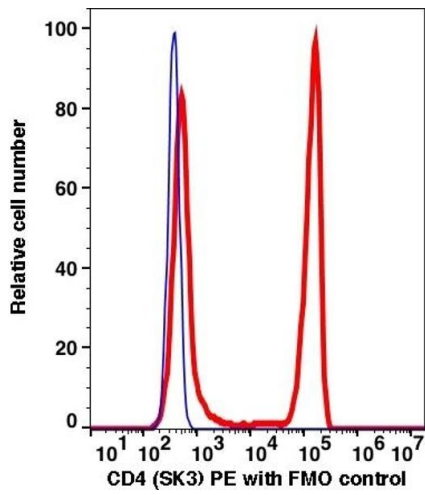
Buffer: PBS pH 7.2, 0.2 % (w/v) BSA, 0.09 % (w/v) sodium azide

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.