

Datasheet for ABIN6253111  
**anti-CD4 antibody (iFluor™ 647)**



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2 Images

## Overview

Quantity:	100 tests
Target:	CD4
Reactivity:	Human, Rhesus Monkey, Cynomolgus
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD4 antibody is conjugated to iFluor™ 647
Application:	Flow Cytometry (FACS)

## Product Details

Purpose:	CD4 iFluor™ 647 Antibody
Immunogen:	Human peripheral blood T lymphocytes
Clone:	OKT4
Isotype:	IgG2b, kappa
Characteristics:	CD4 is a 55kD type I transmembrane glycoprotein and a member of the immunoglobulin superfamily. It is a specific marker for 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. The OKT4 binds to the D3 domain of CD4 and does not inhibit HIV binding.
Purification:	Purified
Purity:	>95 %

## Product Details

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Grade: GMP Grade

## Target Details

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Target: CD4

Alternative Name: CD4 ([CD4 Products](#))

NCBI Accession: [NM\\_000616](#)

UniProt: [P01730](#)

Pathways: [TCR Signaling](#), [Maintenance of Protein Location](#), [CXCR4-mediated Signaling Events](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

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Format: Liquid

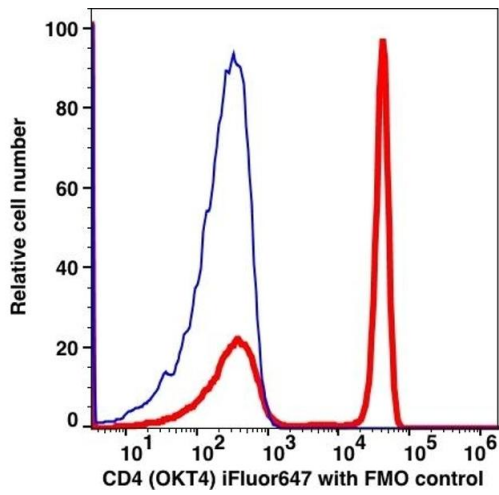
Buffer: PBS pH 7.2, 0.2 % (w/v) BSA, 0.09 % (w/v) sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

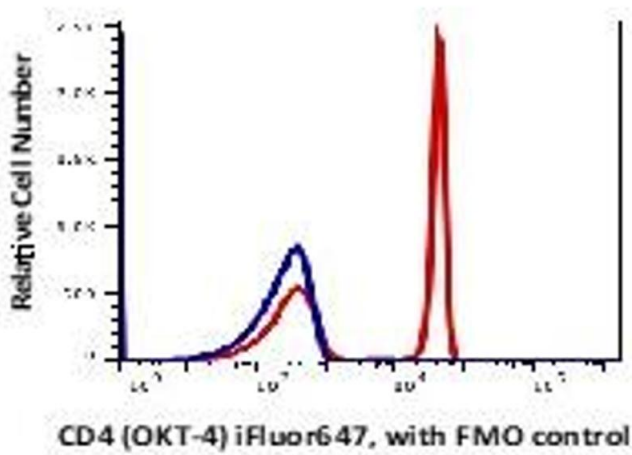
Storage: 4 °C

Storage Comment: 2-8°C, Conjugated antibodies should never be frozen.



**Flow Cytometry**

**Image 1.**



**Image 2.** Lymphocytes gated blood (RBC lysed) stained with iFluor647 conJugated anti-human CD4 (clone OKT-4, red histogram). Lymphocytes gated blood (RBC lysed) stained with FL-4 FMO control (blue histogram). The data were generated in BD Accuri C6 Flow Cytometer and analyzed in FlowJo software.