

For Research Use Only

# APC Anti-human CD4 (OKT4)

Catalog Number: APC-65134



## Basic Information

Catalog Number:

APC-65134

Size:

100tests, Concentration: 5  
µl(0.125µg)/test by Bradford method  
using BSA as the standard;

Source:

Mouse

Isotype:

IgG2b

GenBank Accession Number:

BC025782

GeneID (NCBI):

920

Full Name:

CD4 molecule

Calculated MW:

55 kDa

Purification Method:

Affinity purification

CloneNo.:

OKT4

## Applications

Tested Applications:

FC

Species Specificity:

Human

## Background Information

CD4 is a 55-kDa transmembrane glycoprotein expressed on T helper cells, majority of thymocytes, monocytes, macrophages, and dendritic cells (PMID: 9304802; 12213222). CD4 is an accessory protein for MHC class-II antigen/T-cell receptor interaction. It plays an important role in T helper cell development and activation (PMID: 9539765; 3112582). CD4 serves as a receptor for the human immunodeficiency virus (HIV) (PMID: 9304802).

## Storage

Storage:

Store at 2-8°C. Avoid exposure to light.

Storage Buffer:

Phosphate based buffer with 0.09% sodium azide and 0.1% gelatin, pH 7.2.

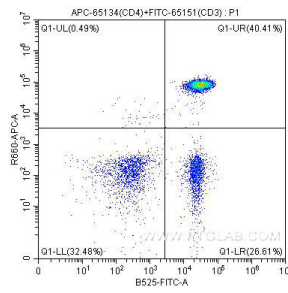
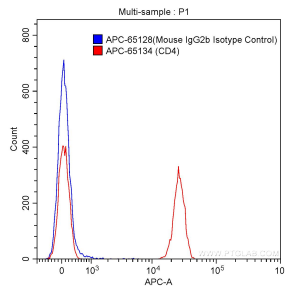
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## Selected Validation Data



1X10<sup>6</sup> human peripheral blood lymphocytes were surface stained with 0.125 ug APC-anti-human CD4 (APC-65134, clone OKT4) (red) or 0.125 ug APC-mouse IgG2b isotype control (blue). Samples were not fixed.

0.1 mL human whole blood cells were surface stained with 0.125 ug FITC-anti-human CD3 (FITC-65151, clone UCHT1) and 0.125 ug APC-anti-human CD4 (APC-65134, clone OKT4). Samples were then treated with red blood cell lysis buffer and were gated for lymphocytes for analysis of CD3 and CD4 staining. Samples were not fixed.