

For Research Use Only

# APC Anti-Human CD4 (OKT4)

Catalog Number: APC-65134



## Basic Information

<b>Catalog Number:</b> APC-65134	<b>GenBank Accession Number:</b> BC025782	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100tests , 5 µl/test	<b>GeneID (NCBI):</b> 920	<b>CloneNo.:</b> OKT4
<b>Source:</b> Mouse	<b>Full Name:</b> CD4 molecule	<b>Excitation/Emission maxima wavelengths:</b> 650 nm / 660 nm
<b>Isotype:</b> IgG2b, kappa	<b>Calculated MW:</b> 55 kDa	

## 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

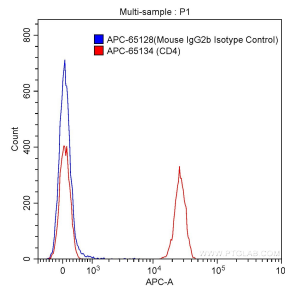
**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**  
Phosphate based buffer with 0.09% sodium azide and 0.1% gelatin, pH 7.2.

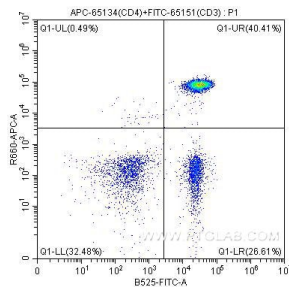
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## Selected Validation Data



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). Cells 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). Cells were then treated with red blood cell lysis buffer and were gated for lymphocytes for analysis of CD3 and CD4 staining. Cells were not fixed.