

# APC Anti-Human CD4 (RPA-T4)

Catalog Number: **APC-65143**

## Basic Information

**Catalog Number:**

APC-65143

**Size:**

100 tests, 5 µl / test

**Source:**

Mouse

**Isotype:**

IgG1, kappa

**GenBank Accession Number:**

BC025782

**GeneID (NCBI):**

920

**ENSEMBL Gene ID:**

ENSG00000010610

**UNIPROT ID:**

P01730

**Full Name:**

CD4 molecule

**Calculated MW:**

55 kDa

**Purification Method:**

Affinity purification

**CloneNo.:**

RPA-T4

**Excitation/Emission maxima wavelengths:**

650 nm / 660 nm

## 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

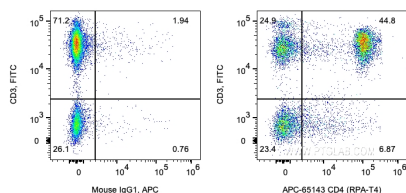
**Storage:**

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

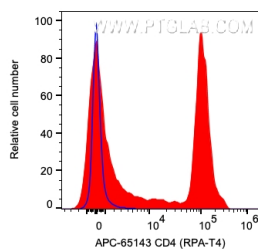
**Storage Buffer:**

PBS with 0.09% sodium azide and 0.5% BSA.

## Selected Validation Data



1X10<sup>6</sup> human PBMCs were surface co-stained with FITC Anti-Human CD3 and 5 ul APC Anti-Human CD4 (APC-65143, Clone:RPA-T4) or Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.



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