

For Research Use Only

# PE Anti-Human CD4 (RPA-T4)

Catalog Number: **PE-65143**



## Basic Information

**Catalog Number:**

PE-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

**Recommended Dilutions:**

FC: 5 µl per 10<sup>6</sup> cells in 100 µl suspension

**Excitation/Emission maximum wavelengths:**

496 nm, 565 nm / 578 nm

## Applications

**Tested Applications:**

FC

**Species Specificity:**

Human

**Positive Controls:**

FC : human PBMCs,

## 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, pH7.3

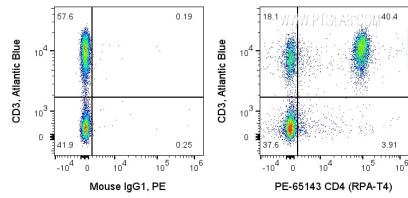
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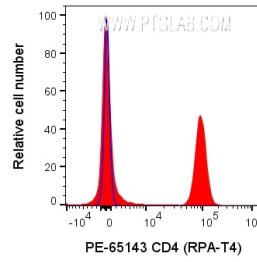
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## Selected Validation Data



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



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