

For Research Use Only

# Anti-Human CD4 (RPA-T4)

Catalog Number: 65143-1-Ig **1 Publications**



## Basic Information

Catalog Number:

65143-1-Ig

Size:

500ug , 0.5 mg/ml

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: 0.2 ug per 10<sup>6</sup> cells in 100 µl suspension

## Applications

Tested Applications:

FC

Cited Applications:

IF

Species Specificity:

human

Cited Species:

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).

## Notable Publications

Author	Pubmed ID	Journal	Application
Lu Tan	35255541	Allergy Asthma Immunol Res	IF

## Storage

Storage:

Store at 2-8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

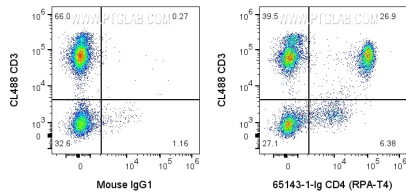
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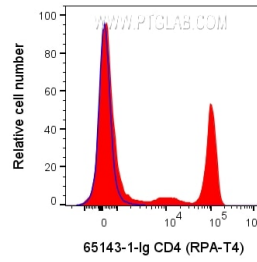
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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 0.2 ug Anti-Human CD4 (65143-1-Ig, Clone:RPA-T4) or Mouse IgG1 Isotype Control and Multi-rAb CoraLite<sup>®</sup> Plus 647-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM005) at dilution 1:1000. Cells were then stained with CL488-conjugated Anti-Human CD3 (CL488-65151). Cells were not fixed. Lymphocytes were gated.



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