

For Research Use Only

# CoraLite® Plus 594 Anti-Human CD4 (RPA-T4)



Catalog Number: **CL594-65143**

## Basic Information

Catalog Number:

CL594-65143

Size:

100tests, 5 ul/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:

594 nm / 615 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.

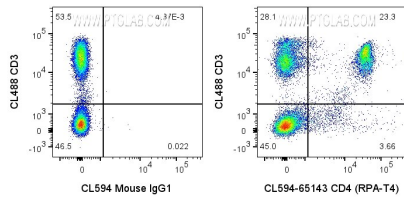
For technical support and original validation data for this product please contact:

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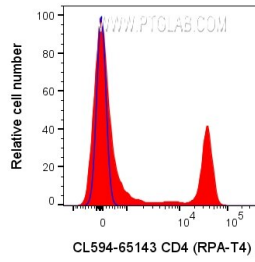
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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## Selected Validation Data



$1 \times 10^6$  human PBMCs were surface stained with 5  $\mu$ l CoraLite® Plus 594 Anti-Human CD4 (CL594-65143, Clone:RPA-T4) or CoraLite®594 Mouse IgG1 Isotype Control, and CL488-conjugated Anti-Human CD3. Cells were not fixed. Lymphocytes were gated.



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