

For Research Use Only

# FcZero-rAb™ PE-CorLite® Plus 594 Anti-Human CD4 Rabbit Recombinant Antibody

Catalog Number: PCL594-FcA98042



## Basic Information

Catalog Number:  
PCL594-FcA98042

Size:  
100 tests, 5 µl/test

Source:  
Rabbit

Isotype:  
IgG

Immunogen Catalog Number:  
EG0333

GenBank Accession Number:  
BC025782

GeneID (NCBI):  
920

ENSEMBL Gene ID:  
ENSG00000010610

UNIPROT ID:  
P01730

Full Name:  
CD4 molecule

Calculated MW:  
55 kDa

Purification Method:  
Protein A purification

CloneNo.:  
240427E12

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

Excitation/Emission maxima  
wavelengths:  
588nm/604nm

## Applications

Tested Applications:  
FC

Species Specificity:  
human, monkey, non-human primates

Positive Controls:

FC : human PBMCs,

## Background Information

CD4 is a 55-kDa transmembrane glycoprotein expressed on T helper cells, the 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

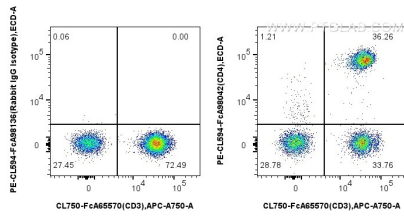
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
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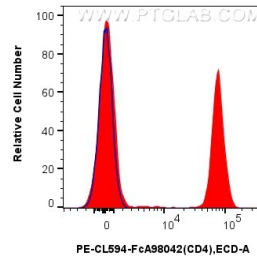
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with FcZero-rAb™ CoraLite® Plus 750 Anti-Human CD3 (UCHT1), and 5 ul FcZero-rAb™ PE-CoraLite® Plus 594 Anti-Human CD4 Rabbit RecAb (PE-CL594-FcA98042, Clone: 240427E12) or FcZero-rAb™ PE-CoraLite® Plus 594 Rabbit IgG Isotype Control RecAb (PE-CL594-FcA98136, Clone: 240953C9). Cells were not fixed. Lymphocytes were gated.



1x10<sup>6</sup> human PBMCs were surface stained with 5 ul FcZero-rAb™ PE-CoraLite® Plus 594 Anti-Human CD4 Rabbit RecAb (PE-CL594-FcA98042, Clone: 240427E12) (red) or FcZero-rAb™ PE-CoraLite® Plus 594 Rabbit IgG Isotype Control RecAb (PE-CL594-FcA98136, Clone: 240953C9) (blue). Cells were not fixed. Lymphocytes were gated.