

For Research Use Only

# PE-Cyanine7 Anti-Human CD4 Rabbit Recombinant Antibody

Catalog Number: PY7-98042



## Basic Information

Catalog Number:

PY7-98042

Concentration:

100tests, 5 ul/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 ul per  $10^6$  cells in a 100  $\mu$ l suspension

Excitation/Emission maximum wavelengths:

496 nm, 565 nm / 778 nm

## 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:

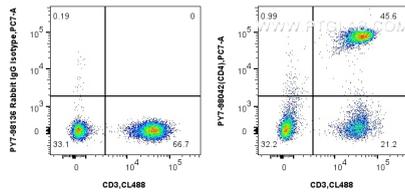
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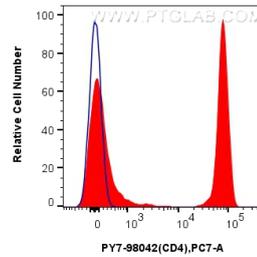
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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with CoraLite® Plus 488 Anti-Human CD3 and 5 ul PE-Cyanine7 Anti-Human CD4 Rabbit RecAb (PY7-98042, Clone:240427E12) or PE-Cyanine7 Rabbit IgG Isotype Control Recombinant Antibody (PY7-98136, Clone: 240953C9). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. Lymphocytes were gated.



1x10<sup>6</sup> human PBMCs were surface stained with 5 ul PE-Cyanine7 Anti-Human CD4 Rabbit RecAb (PY7-98042, Clone:240427E12)(red) or PE-Cyanine7 Rabbit IgG Isotype Control Recombinant Antibody (PY7-98136, Clone: 240953C9) (blue). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. Lymphocytes were gated.