

For Research Use Only

# FcZero-rAb® PE-Cyanine5 Anti-Rat CD4 Rabbit Recombinant Antibody

Catalog Number: PY5-FcA98252



## Basic Information

**Catalog Number:**

PY5-FcA98252

**Size:**

100ug , 200 ug/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

EG2025

**GenBank Accession Number:**

NM\_012705.1

**GeneID (NCBI):**

24932

**UNIPROT ID:**

P05540

**Full Name:**

Cd4 molecule

**Calculated MW:**

51 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

241955C11

**Recommended Dilutions:**

FC: 0.1 ug per 10<sup>6</sup> cells in a 100 µl suspension

**Excitation/Emission maximum wavelengths:**

496 nm, 565 nm / 666 nm

## Applications

**Tested Applications:**

FC

**Species Specificity:**

rat

**Positive Controls:**

FC : rat splenocytes,

## 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

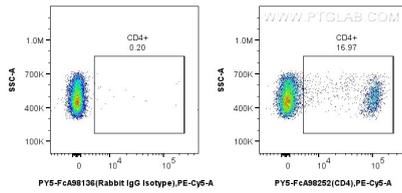
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

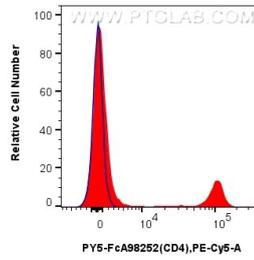
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

**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> rat splenocytes were surface stained with 0.1 ug PE-Cyanine5 Anti-Rat CD4 Rabbit RecAb (PY5-FcA98252, Clone: 241955C11) or FcZero-rAb™ PE-Cyanine5 Rabbit IgG Isotype Control Recombinant Antibody (PY5-FcA98136, Clone: 240953C9). Cells were not fixed.



1x10<sup>6</sup> rat splenocytes were surface stained with 0.1 ug PE-Cyanine5 Anti-Rat CD4 Rabbit RecAb (PY5-FcA98252, Clone: 241955C11) (red) or FcZero-rAb™ PE-Cyanine5 Rabbit IgG Isotype Control Recombinant Antibody (PY5-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.