

For Research Use Only

# FcZero-rAb® PE-Cyanine7 Anti-Rat CD4 Rabbit Recombinant Antibody

Catalog Number: PY7-FcA98252



## Basic Information

**Catalog Number:**

PY7-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 / 778 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

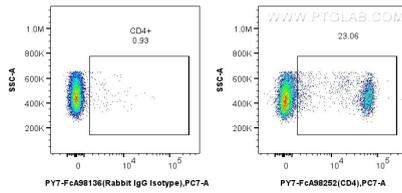
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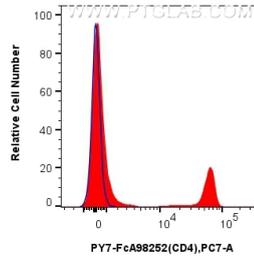
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## Selected Validation Data



1x10<sup>6</sup> rat splenocytes were surface stained with 0.1 ug PE-Cyanine7 Anti-Rat CD4 Rabbit RecAb (PY7-FcA98252, Clone: 241955C11) or FcZero-rAb@ PE-Cyanine7 Rabbit IgG Isotype Control Recombinant Antibody (PY7-FcA98136, Clone: 240953C9). Cells were incubated with MonoZero™ Monocytes blocking Reagent (PF00020) prior to staining. Cells were not fixed.



1x10<sup>6</sup> rat splenocytes were surface stained with 0.1 ug PE-Cyanine7 Anti-Rat CD4 Rabbit RecAb (PY7-FcA98252, Clone: 241955C11) (red) or FcZero-rAb@ PE-Cyanine7 Rabbit IgG Isotype Control Recombinant Antibody (PY7-FcA98136, Clone: 240953C9) (blue). Cells were incubated with MonoZero™ Monocytes blocking Reagent (PF00020) prior to staining. Cells were not fixed.