

For Research Use Only

# FcZero-rAb™ PE-Cyanine7 Anti-Mouse CD4 (RM4-4) Rabbit IgG Recombinant Antibody

Catalog Number: PY7-FcA65655



## Basic Information

Catalog Number:

PY7-FcA65655

Concentration:

100ug, 200 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC039137

GeneID (NCBI):

12504

UNIPROT ID:

P06332

Full Name:

CD4 antigen

Purification Method:

Protein A purification

CloneNo.:

RM4-4

Recommended Dilutions:

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

Excitation/Emission maxima wavelengths:

496 nm, 565 nm / 778 nm

## Applications

Tested Applications:

FC

Species Specificity:

mouse

Positive Controls:

FC : mouse 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:

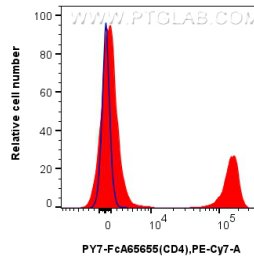
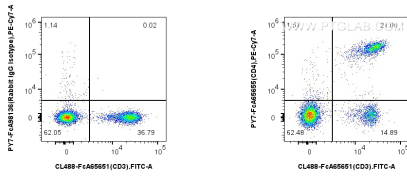
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## Selected Validation Data



1x10<sup>6</sup> mouse splenocytes were surface stained with FcZero-rAb™ CoraLite® Plus 488 Anti-Mouse CD3e, and 0.1 ug PE-Cyanine7 Anti-Mouse CD4 (RM4-4) Rabbit IgG RecAb (PY7-FcA65655, Clone: RM4-4) or 0.1 ug FcZero-rAb™ PE-Cyanine7 Rabbit IgG Isotype Control Recombinant Antibody (PY7-FcA98136, Clone: 240953C9). Cells were incubated with MonoZero™ Human/Mouse Fc blocking Reagent(PF00029) prior to staining. Cells were not fixed.



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.1 ug PE-Cyanine7 Anti-Mouse CD4 (RM4-4) Rabbit IgG RecAb (PY7-FcA65655, Clone: RM4-4) (red), or 0.1 ug FcZero-rAb™ PE-Cyanine7 Rabbit IgG Isotype Control Recombinant Antibody (PY7-FcA98136, Clone: 240953C9) (blue). Cells were incubated with MonoZero™ Human/Mouse Fc blocking Reagent(PF00029) prior to staining. Cells were not fixed.