

For Research Use Only

# FcZero-rAb® Biotin Anti-Human CD4 (OKT4) Rabbit Recombinant Antibody

Catalog Number: Biotin-FcA65603



## Basic Information

Catalog Number:

Biotin-FcA65603

Concentration:

100ug, 500 ug/ml

Source:

Rabbit

Isotype:

IgG

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.:

OKT4

Recommended Dilutions:

FC: 0.25 ug per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

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## Applications

Tested Applications:

FC, ELISA

Species Specificity:

human

Positive Controls:

FC : human PBMCs,

## 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:

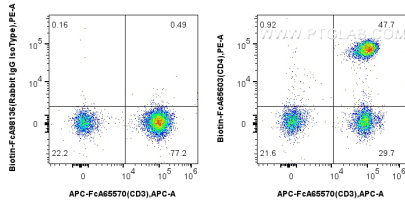
T: 4006900926

E: Proteintech-CN@ptglab.com

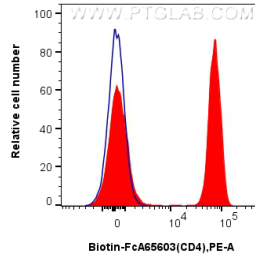
W: ptgcn.com

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## Selected Validation Data



$1 \times 10^6$  human PBMCs were surface stained with 0.25  $\mu$ g Biotin Anti-Human CD4 (OKT4) Rabbit RecAb (Biotin-FcA65603, Clone: OKT4) or Rabbit IgG Isotype Control RecAb (Biotin-FcA98136, Clone: 240953C9), and Streptavidin-PE Conjugate (PE-PF00030). Cells were co-stained with FcZero-rAb@ APC Anti-Human CD3 (UCHT1) Rabbit Recombinant Antibody (APC-FcA65570, Clone: UCHT1). Cells were not fixed.



$1 \times 10^6$  human PBMCs were surface stained with 0.25  $\mu$ g Biotin Anti-Human CD4 (OKT4) Rabbit RecAb (Biotin-FcA65603, Clone: OKT4) (red) or Rabbit IgG Isotype Control RecAb (Biotin-FcA98136, Clone: 240953C9) (blue), and Streptavidin-PE Conjugate (PE-PF00030). Cells were not fixed.