

For Research Use Only

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

Catalog Number: Biotin-FcA98042



## Basic Information

**Catalog Number:**

Biotin-FcA98042

**Concentration:**

100ug, 500 ug/ml

**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: 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, 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, pH7.3

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

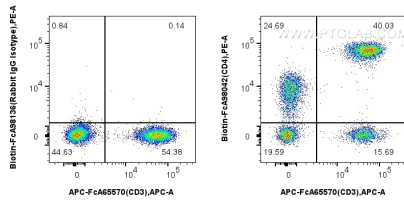
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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD4 Rabbit RecAb (Biotin-FcA98042, Clone: 240427E12) or Biotin Rabbit IgG Isotype Control RecAb (Biotin-FcA98136, Clone: 240953C9), and PE-conjugated streptavidin. Cells were then stained with FcZero-rAb™ APC Anti-Human CD3 (UCHT1) Rabbit IgG Recombinant Antibody(APC-FcA65570, Clone: UCHT1). Cells were not fixed.