

# PE/Cyanine7 Rabbit anti-Human CD4 mAb

Catalog No.: A27112

## Basic Information

### Observed MW

### Calculated MW

51kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Human

### CloneNo number

ARC5142-01-PE-Cy7

### Conjugate

PE-Cy7. Ex:565nm. Em:778nm.

## Recommended Dilutions

FC 5  $\mu$ l per  $10^6$  cells in  
100  $\mu$ l volume

## Background

This gene encodes the CD4 membrane glycoprotein of T lymphocytes. The CD4 antigen acts as a coreceptor with the T-cell receptor on the T lymphocyte to recognize antigens displayed by an antigen presenting cell in the context of class II MHC molecules. The CD4 antigen is also a primary receptor for entry of the human immunodeficiency virus through interactions with the HIV Env gp120 subunit. This gene is expressed not only in T lymphocytes, but also in B cells, macrophages, granulocytes, as well as in various regions of the brain. The protein functions to initiate or augment the early phase of T-cell activation, and may function as an important mediator of indirect neuronal damage in infectious and immune-mediated diseases of the central nervous system. Multiple alternatively spliced transcript variants encoding different isoforms have been identified in this gene.

## Immunogen Information

### Gene ID

920

### Swiss Prot

P01730

### Immunogen

Recombinant protein of human CD4.

### Synonyms

T4; IMD79; Leu-3; OKT4D; CD4mut

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

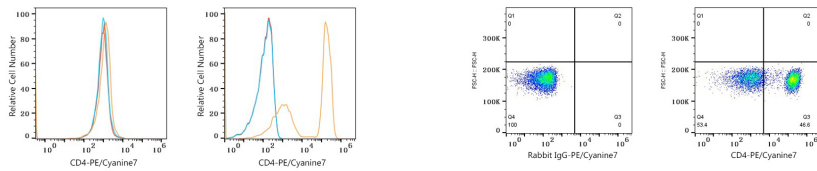
Affinity purification

### Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

## Validation Data



Flow cytometry:  $1 \times 10^6$  RT4 cells (negative control, left) and Human PBMC (right) were surface-stained with PE/Cyanine7 Rabbit anti-Human CD4 mAb (A27112, 5  $\mu$ l/Test, orange line) or PE/Cyanine7 Rabbit IgG isotype control (5  $\mu$ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry:  $1 \times 10^6$  Human PBMC were surface-stained with PE/Cyanine7 Rabbit IgG isotype control (5  $\mu$ l/Test, left) or PE/Cyanine7 Rabbit anti-Human CD4 mAb (A27112, 5  $\mu$ l/Test, right).