

# APC/Cyanine7 Rabbit anti-Human/Monkey CD4 mAb

**Catalog No.: A26610**

## Basic Information

**Observed MW****Calculated MW**

51kDa

**Category**

Primary antibody

**Applications**

FC

**Cross-Reactivity**

Human, Cynomolgus

**CloneNo number**

ARC5142-01

**Conjugate**

APC-Cy7. Ex:651nm. Em:779nm.

## 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.

## Recommended Dilutions

**FC** 5 µl per 10<sup>6</sup> cells in  
100 µl volume

## Immunogen Information

**Gene ID**

920

**Swiss Prot**

P01730

**Immunogen**

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

**Synonyms**

T4; IMD79; Leu-3; OKT4D; CD4mut

## Contact

 | 400-999-6126 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn) | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

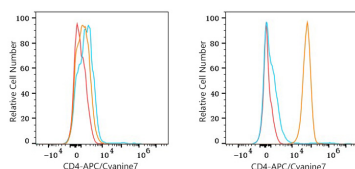
Affinity purification

**Storage**

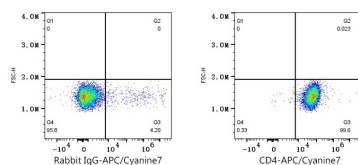
Store at 2-8°C. Avoid freeze.

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

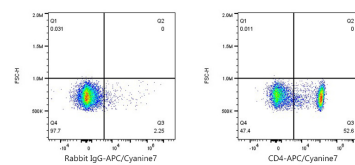
## Validation Data



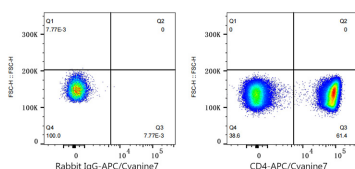
Flow cytometry:  $1 \times 10^6$  PC-3 cells (negative control, left) and THP-1 cells (right) were surface-stained with APC/Cyanine7 Rabbit anti-Human CD4 mAb (A26610, 5  $\mu$ l/Test, orange line) or APC/Cyanine7 Rabbit IgG isotype control (5  $\mu$ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry:  $1 \times 10^6$  THP-1 cells were surface-stained with APC/Cyanine7 Rabbit IgG isotype control (5  $\mu$ l/Test, left) or APC/Cyanine7 Rabbit anti-Human CD4 mAb (A26610, 5  $\mu$ l/Test, right).



Flow cytometry:  $1 \times 10^6$  Human PBMC were surface-stained with APC/Cyanine7 Rabbit IgG isotype control (5  $\mu$ l/Test, left) or APC/Cyanine7 Rabbit anti-Human CD4 mAb (A26610, 5  $\mu$ l/Test, right).



Flow cytometry:  $1 \times 10^6$  Cynomolgus PBMC were surface-stained with APC/Cyanine7 Rabbit IgG isotype control (5  $\mu$ l/Test, left) or APC/Cyanine7 Rabbit anti-Human/Monkey CD4 mAb (A26610, 5  $\mu$ l/Test, right). Cells in the Lymphocytes gate were used for analysis.