# PE Rabbit anti-Human CD4 mAb

Catalog No.: A26596



## **Basic Information**

#### **Observed MW**

Calculated MW 51kDa

**Category** Primary antibody

**Applications** 

FC

**Cross-Reactivity** 

Human

CloneNo number

ARC70737

Conjugate

PE. Ex:565nm. Em:574nm.

# **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 10^6 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**

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## **Product Information**

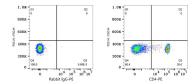
SourceIsotypePurificationRabbitIgGAffinity purification

### **Storage**

Store at 2-8°C. Avoid freeze.

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

# **Validation Data**



Flow cytometry:  $1\times10^6$  Human PBMC were surface-stained with PE Rabbit IgG isotype control (A24172,5  $\mu$ I/Test,Ieft) or PE Rabbit anti-Human CD4 mAb (A26596,5  $\mu$ I/Test,right). Cells in the lymphocyte gate were used for analysis.