

# ABflo® 700 Rabbit anti-Human CD4 mAb

Catalog No.: A26524

## Basic Information

### Observed MW

### Calculated MW

51kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Human

### CloneNo number

ARC5142-01-ABf700

### Conjugate

ABflo® 700. Ex:690nm. Em:713nm.

## Recommended Dilutions

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

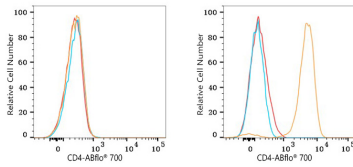
Affinity purification

### Storage

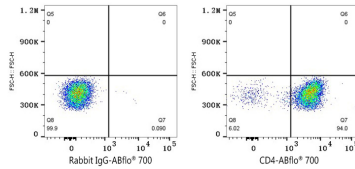
Store at 2-8°C. Avoid freeze.

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

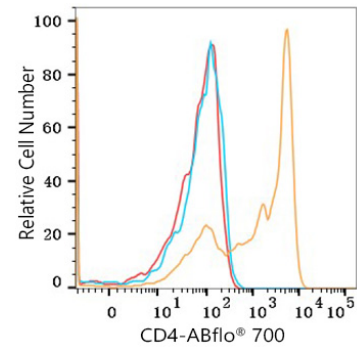
## Validation Data



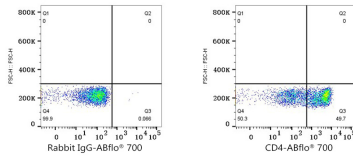
Flow cytometry:  $1 \times 10^6$  PC-3 cells (negative control, left) and THP-1 cells (right) were surface-stained with ABflo® 700 Rabbit anti-Human CD4 mAb (A26524, 5  $\mu$ l/Test, orange line) or ABflo® 700 Rabbit IgG isotype control (A25976, 5  $\mu$ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry:  $1 \times 10^6$  THP-1 cells were surface-stained with ABflo® 700 Rabbit IgG isotype control (A25976, 5  $\mu$ l/Test, left) or ABflo® 700 Rabbit anti-Human CD4 mAb (A26524, 5  $\mu$ l/Test, right).



Flow cytometry:  $1 \times 10^6$  Human PBMC were surface-stained with ABflo® 700 Rabbit anti-Human CD4 mAb (A26524, 5  $\mu$ l/Test, orange line) or ABflo® 700 Rabbit IgG isotype control (A25976, 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 ABflo® 700 Rabbit IgG isotype control (A25976, 5  $\mu$ l/Test, left) or ABflo® 700 Rabbit anti-Human CD4 mAb (A26523, 5  $\mu$ l/Test, right). Cells in the Monocyte gate were used for analysis.