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CD4 Rabbit mAb

Catalog No.: A25286 Recombinant

Basic Information

Observed MW
Refer to figures

Calculated MW
51kDa

Category
Primary antibody

Applications
ELISA,FC

Cross-Reactivity
Human

CloneNo number
ARC5142

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	1:500 - 1:1000

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

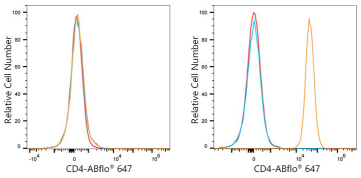
Source
Rabbit

Isotype
IgG

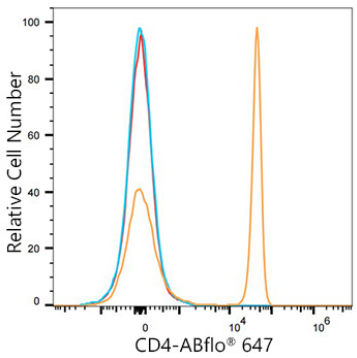
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

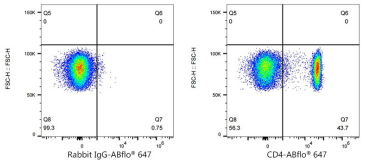
Validation Data



Flow cytometry: 1X10^6 PC-3 cells (negative control,left) and THP-1 cells (right) were surface-stained with CD4 Rabbit mAb (A25286,2 µg/mL,orange line) or Rabbit IgG isotype control (AC042,2 µg/mL,blue line), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1X10^6 Human PBMC were surface-stained with CD4 Rabbit mAb (A25286,2 µg/mL,orange line) or Rabbit IgG isotype control (AC042,2 µg/mL,blue line), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1X10^6 Human PBMC were surface-stained with Rabbit IgG isotype control (AC042,2 µg/mL,left) or CD4 Rabbit mAb (A25286,2 µg/mL,right) followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining.