

ABflo® 450 Rabbit anti-Human/Monkey CD4 mAb

Catalog No.: A26523

Basic Information

Observed MW

Calculated MW

51kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Human, Cynomolgus

CloneNo number

ARC5142-01

Conjugate

ABflo® 450. Ex:406nm. Em:445nm.

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 10⁶ 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

Source

Rabbit

Isotype

IgG

Purification

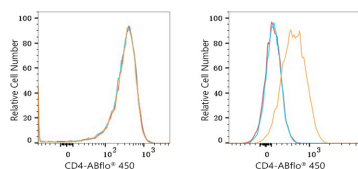
Affinity purification

Storage

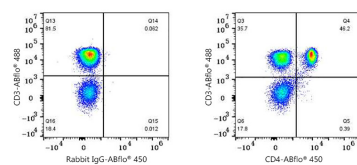
Store at 2-8°C. Avoid freeze.

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

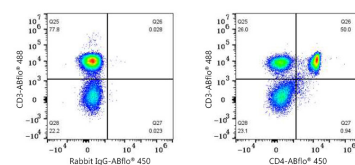
Validation Data



Flow cytometry: 1×10^6 PC-3 cells (negative control, left) and THP-1 cells (right) were surface-stained with ABflo® 450 Rabbit anti-Human CD4 mAb (A26523, 5 μ l/Test, orange line) or (, 5 μ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1×10^6 Cynomolgus PBMC were surface-stained with ABflo® 488 Rabbit anti-Human/Monkey CD3 mAb (A26283, 5 μ l/Test) and ABflo® 450 Rabbit IgG isotype control (A27451, 5 μ l/Test, left) or ABflo® 450 Rabbit anti-Human/Monkey CD4 mAb (A26523, 5 μ l/Test, right). Cells in the lymphocyte gate were used for analysis.



Flow cytometry: 1×10^6 Human PBMC were surface-stained with ABflo® 488 Rabbit anti-Human/Monkey CD3 mAb (A26283, 5 μ l/Test) and ABflo® 450 Rabbit IgG isotype control (A27451, 5 μ l/Test, left) or ABflo® 450 Rabbit anti-Human/Monkey CD4 mAb (A26523, 5 μ l/Test, right). Cells in the lymphocyte gate were used for analysis.