Leader in Biomolecular Solutions for Life Science

Rabbit anti-Human CD4(scFv) mAb

Catalog No.: A30127

Recombinant

www.abclonal.com

Basic Information

Observed MW

Calculated MW

Category
Monoclonal Antibodies

Applications
FC

Cross Reactivity
Human

Clone No.
ARC5142_M1(scFv)

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	FC,1:100 - 1:500

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

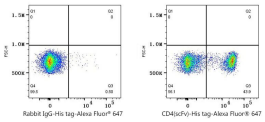
Source
Rabbit

Isotype
IgG

Purity
Affinity purification

Storage
Store at 2-8℃. Avoid freeze / thaw cycles.
Buffer: PBS with 2mM DTT,pH7.3.

Validation Data



Flow cytometry: 1X10^6 Human PBMC were surface-stained with Rabbit IgG isotype control(scFv) (A29535,2 µg/mL,left) or Rabbit anti-Human CD4(scFv) mAb (A30127, 2 µg/mL,right), followed by Alexa Fluor® 647 His tag staining. Cells in the lymphocyte gate were used for analysis.