

PE Rabbit anti-Human/Monkey CD4 mAb

Catalog NO.: A27504

Basic Information

Observed MW

Refer to figures

Calculated MW

51kDa

Category

Monoclonal Antibodies

Applications

FC

Cross-Reactivity

Human, Cynomolgus

Conjugation

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

Clone number

ARC5142-01

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

Hu 920 /Cyno 101864991

Swiss Prot

P01730

Immunogen

Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms

T4; IMD79; Leu-3; OKT4D; CD4mut

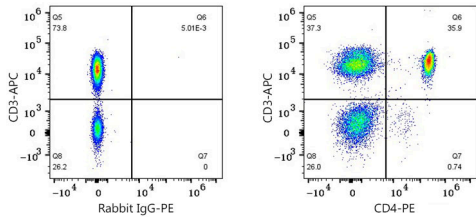
Contact

Product Information

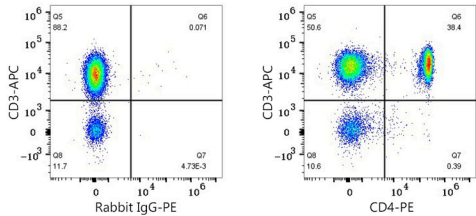
☒		order@abclonal.com
☒		service@abclonal.com
☒		www.abclonal.com

Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage		
Store at 2-8°C. Avoid freeze.		
Buffer: PBS with 0.09% Sodium azide,0.2% BSA,pH7.3.		

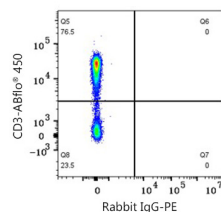
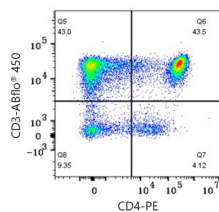
Validation Data



Flow cytometry:1X10^6 Human PBMC were surface-stained with APC Rabbit anti-Human/Monkey CD3 mAb (A27111,5 µl/Test) and PE Rabbit IgG isotype control (A24172,5 µl/Test,left) or PE Rabbit anti-Human/Monkey CD4 mAb (A27504,5 µl/Test,right). Cells in the lymphocyte gate were used for analysis.



Flow cytometry:1X10^6 Cynomolgus PBMC were surface-stained with APC Rabbit anti-Human/Monkey CD3 mAb (A27111,5 µl/Test) and PE Rabbit IgG isotype control (A24172,5 µl/Test,left) or PE Rabbit anti-Human/Monkey CD4 mAb (A27504,5 µl/Test,right). Cells in the lymphocyte gate were used for analysis.



Flow cytometry: 1×10^6 Cynomolgus peripheral blood mononuclear cells were surface-stained with ABflo® 450 Rabbit anti-Human/Monkey CD3 mAb (A27177, 5 μ l/Test) and PE Rabbit IgG isotype control (A24172, 5 μ l/Test, left) or PE Rabbit anti-Human/Monkey CD4 mAb (A27504, 5 μ l/Test, right). Cells in the lymphocyte gate were used for analysis.