CD4 Rabbit pAb

Catalog NO.: A0362 **19 Publications**

Basic Information

Observed MW
51 kDa

Calculated MW
51 kDa

Category
Polyclonal Antibodies

Applications
WB, IF/ICC, IF-P, ELISA

Cross-Reactivity
Human, Mouse, Rat

Conjugation
Unconjugated

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

WB	1:500 - 1:4000
IF/ICC	1:50 - 1:200
IF-P	1:50 - 1:200

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

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; CD4

Contact

Product Information

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

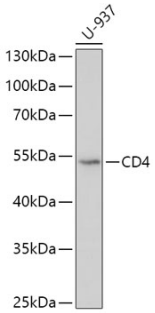
Source
Rabbit

Isotype
IgG

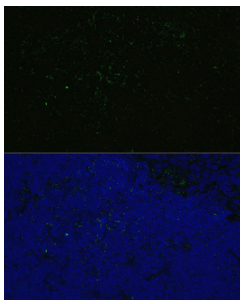
Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% sodium azide,50% glycerol,pH7.3.

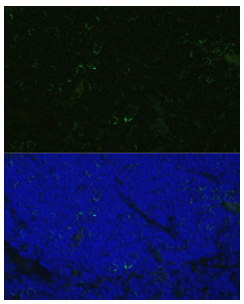
Validation Data



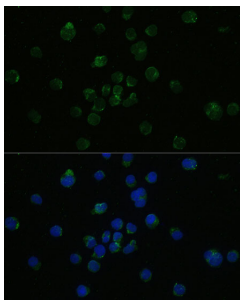
Western blot analysis of lysates from U-937 cells, using CD4 Rabbit pAb (A0362) at 1:500 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.



Immunofluorescence analysis of Mouse thymus using CD4 Rabbit pAb (A0362) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of Rat thymus cells using CD4 Rabbit pAb (A0362) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of Jurkat cells using CD4 Rabbit pAb (A0362) at dilution of 1:100. Blue: DAPI for nuclear staining.

For research use only. Not for therapeutic or diagnostic purposes.

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