

CD4 Rabbit pAb

Catalog No.: A0362 **1 Publications**

Basic Information

Catalog No.

A0362

Observed MW

51kDa

Calculated MW

51kDa

Category

Primary antibody

Applications

WB, IF

Cross-Reactivity

Human, Mouse, Rat

Recommended Dilutions

WB	1:500 - 1:2000
IF	1:50 - 1:200

Contact

 | www.abclonal.com

Background

This gene encodes a membrane glycoprotein of T lymphocytes that interacts with major histocompatibility complex class II antigens and is also a receptor for the human immunodeficiency virus. This gene is expressed not only in T lymphocytes, but also in B cells, macrophages, and granulocytes. It is also expressed in specific 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.

Immunogen Information

Gene ID	Swiss Prot
920	P01730

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 26-200 of human CD4 (NP_000607.1).

Synonyms

CD4;CD4mut

Product Information

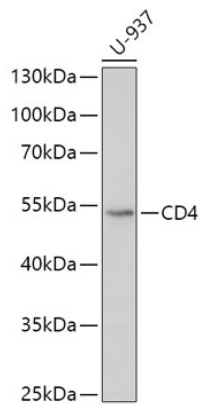
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

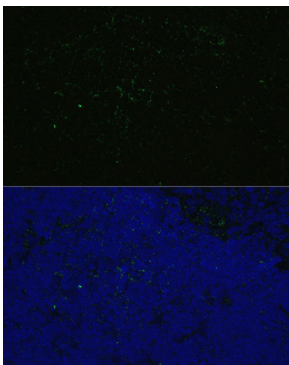
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

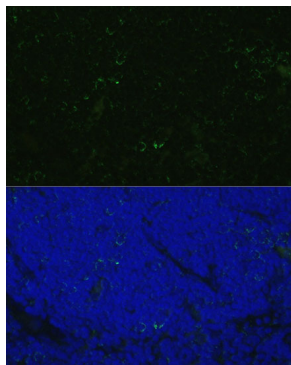
Validation Data



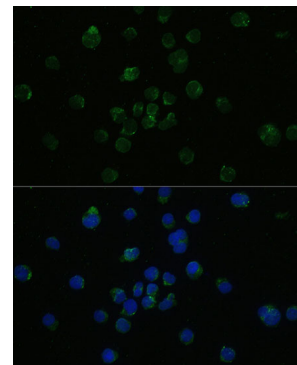
Western blot analysis of extracts of U-937 cells, using CD4 antibody (A0362) at 1:500 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: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



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



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



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