

A1549

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## CD4 Rabbit pAb

Catalog No.: A1549

1 Publications

### Basic Information

#### Observed MW

55kDa

#### Calculated MW

51kDa

#### Category

Polyclonal Antibody

#### Applications

WB, IF/ICC, ELISA

#### Cross-Reactivity

Human, Mouse

### 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 - 1:1000
IF/ICC	1:50 - 1:200

### Immunogen Information

#### Gene ID

920

#### Swiss Prot

P01730

#### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 26-317 of human CD4 (NP\_000607.1).

#### Synonyms

T4; IMD79; Leu-3; OKT4D; CD4mut; CD4

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

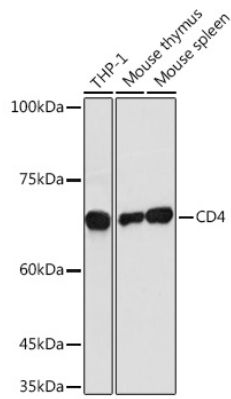
Affinity purification

#### Storage

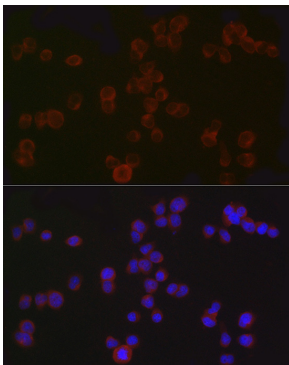
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of extracts of various cell lines, using CD4 antibody (A1549) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) 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 Jurkat cells using CD4 Rabbit pAb (A1549) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.