

# CD4 Rabbit pAb

**Catalog No.: A23259**

## Basic Information

**Observed MW**

55kDa

**Calculated MW**

51kDa

**Category**

Primary antibody

**Applications**

WB, IF/ICC, ELISA

**Cross-Reactivity**

Human, Mouse

## Background

Predicted to enable several functions, including interleukin-16 binding activity; interleukin-16 receptor activity; and protein homodimerization activity. Involved in helper T cell enhancement of adaptive immune response. Acts upstream of or within several processes, including defense response to Gram-negative bacterium; positive regulation of calcium-mediated signaling; and positive regulation of peptidyl-tyrosine phosphorylation. Located in endoplasmic reticulum; external side of plasma membrane; and membrane raft. Is expressed in several structures, including alimentary system; brain; genitourinary system; hemolymphoid system; and liver and biliary system. Used to study type 1 diabetes mellitus. Human ortholog(s) of this gene implicated in immunodeficiency 79. Orthologous to human CD4 (CD4 molecule).

## Recommended Dilutions

**WB** 1:500 - 1:1000**IF/ICC** 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**

12504

**Swiss Prot**

P06332

**Immunogen**

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

**Synonyms**

L3T4; Ly-4; CD4

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

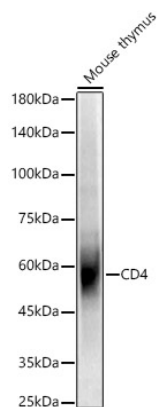
Affinity purification

**Storage**

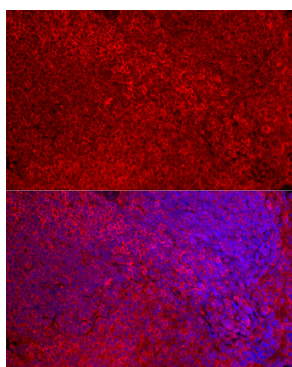
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

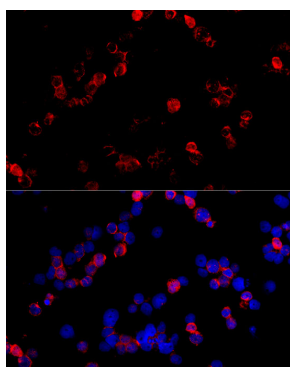
## Validation Data



Western blot analysis of lysates from Mouse thymus, using CD4 Rabbit pAb (A23259) 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 paraffin-embedded mouse spleen using CD4 Rabbit pAb (A23259) at dilution of 1:50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of THP-1 cells using CD4 Rabbit pAb (A23259) at dilution of 1:50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.