

# CD4 Rabbit PolymAb®

Catalog No.: A26036PM 2 Publications

## Basic Information

### Observed MW

51 kDa

### Calculated MW

51 kDa

### Category

Primary antibody

### Applications

WB, IF-F, IF-P, IHC-P, ELISA

### Cross-Reactivity

Human, Mouse, Cynomolgus monkey

## 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** 1:5000 - 1:20000

**IF-F** 1:200 - 1:600

**IF-P** 1:200 - 1:600

**IHC-P** 1:500 - 1:2000

**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

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

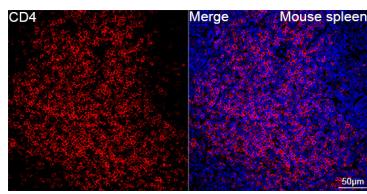
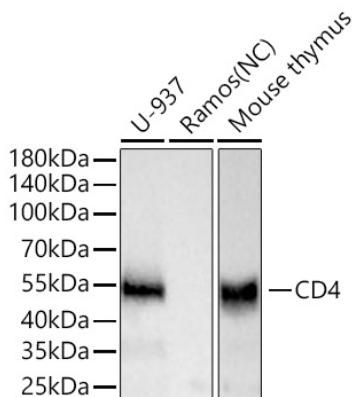
Affinity purification

### Storage

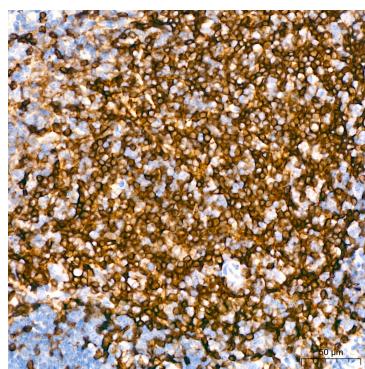
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

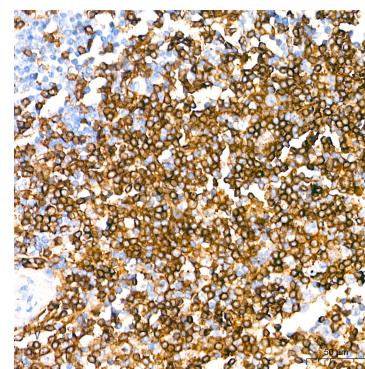
## Validation Data



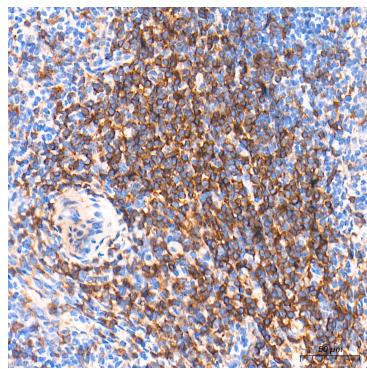
Confocal imaging of paraffin-embedded Mouse spleen tissue using CD4 Rabbit PolymAb® (A26036PM, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using CD4 Rabbit PolymAb® (A26036PM) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human spleen tissue using CD4 Rabbit PolymAb® (A26036PM) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Cynomolgus monkey spleen tissue using CD4 Rabbit PolymAb® (A26036PM) at a dilution of 1:400 (40x lens). antigen retrieval performed with prior to IHC staining.