

## CD4 Recombinant monoclonal antibody

Catalog Number: 86300-3-RR

## Basic Information

## Catalog Number:

86300-3-RR

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

EG3847

## GenBank Accession Number:

NM\_013488

## GeneID (NCBI):

12504

## UNIPROT ID:

P06332

## Full Name:

CD4 antigen

## Calculated MW:

51 kDa

## Observed MW:

55 kDa

## Purification Method:

Protein A purification

## CloneNo.:

250263G12

## Recommended Dilutions:

WB: 1:1000-1:6000

IHC: 1:500-1:2000

IF-P: 1:500-1:2000

## Applications

## Tested Applications:

WB, IHC, IF-P, ELISA

## Species Specificity:

mouse

**Note-IHC: suggested antigen retrieval with  
TE buffer pH 9.0; (\*) Alternatively, antigen  
retrieval may be performed with citrate  
buffer pH 6.0**

## Positive Controls:

WB : mouse thymus tissue, mouse spleen tissue

IHC : mouse spleen tissue, mouse thymus tissue

IF-P : mouse thymus tissue, mouse spleen tissue

## Background Information

CD4 is a 55-kDa transmembrane glycoprotein expressed on T helper cells, the majority of thymocytes, monocytes, macrophages, and dendritic cells (PMID: 9304802; 12213222). CD4 is an accessory protein for MHC class-II antigen/T-cell receptor interaction. It plays an important role in T helper cell development and activation (PMID: 9539765; 3112582). CD4 serves as a receptor for the human immunodeficiency virus (HIV) (PMID: 9304802).

## Storage

## Storage:

Store at -20°C. Stable for one year after shipment.

## Storage Buffer:

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

Aliquoting is unnecessary for -20°C storage

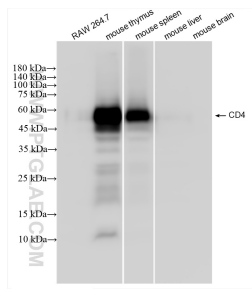
For technical support and original validation data for this product please contact:

T: 4006900926

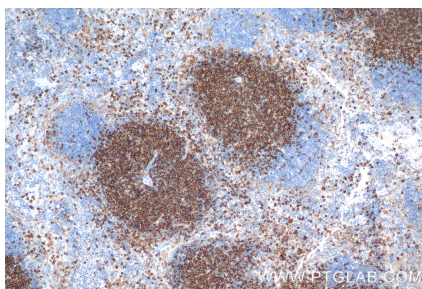
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

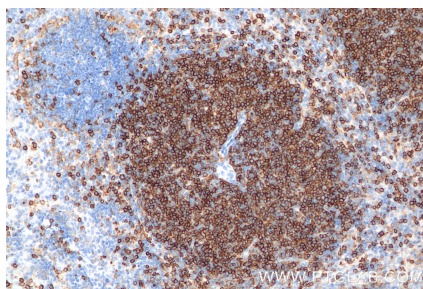
## Selected Validation Data



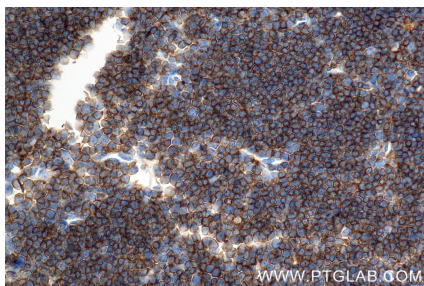
Various lysates were subjected to SDS PAGE followed by western blot with 86300-3-RR (CD4 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



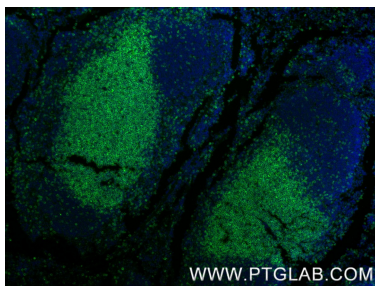
Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 86300-3-RR (CD4 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



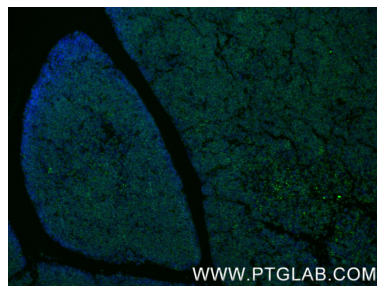
Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 86300-3-RR (CD4 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



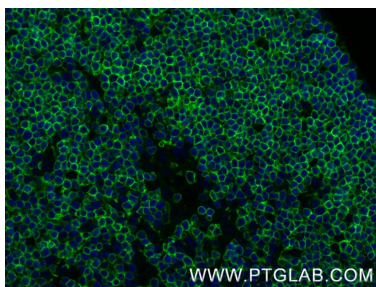
Immunohistochemical analysis of paraffin-embedded mouse thymus tissue slide using 86300-3-RR (CD4 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse spleen tissue using CD4 antibody (86300-3-RR, Clone: 250263G12 ) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse thymus tissue using CD4 antibody (86300-3-RR, Clone: 250263G12 ) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse thymus tissue using CD4 antibody (86300-3-RR, Clone: 250263G12 ) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).