

For Research Use Only

# CD4 Polyclonal antibody

Catalog Number: 19068-1-AP **23 Publications**



## Basic Information

**Catalog Number:**

19068-1-AP

**Size:**

500 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG13616

**GenBank Accession Number:**

BC025782

**GeneID (NCBI):**

920

**ENSEMBL Gene ID:**

ENSG00000010610

**UNIPROT ID:**

P01730

**Full Name:**

CD4 molecule

**Calculated MW:**

55 kDa

**Observed MW:**

55 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:3000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

## Applications

**Tested Applications:**

IP, WB, ELISA

**Cited Applications:**

WB

**Species Specificity:**

human, mouse, rat, pig

**Cited Species:**

human, rat, mouse

**Positive Controls:**

WB: U-937 cells, pig thymus tissue, mouse thymus tissue

IP: mouse thymus tissue,

## Background Information

CD4 is a 55-kDa transmembrane glycoprotein expressed on T helper cells, majority of thymocytes, monocytes, macrophages, and dendritic cells. 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. CD4 serves as a receptor for the human immunodeficiency virus (HIV).

## Notable Publications

Author	Pubmed ID	Journal	Application
Qicai Liu	31521106	Mol Med	
Tsai-Wei Hung	34576050	Int J Mol Sci	
Yulin Deng	36505457	Front Immunol	WB

## Storage

**Storage:**

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

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

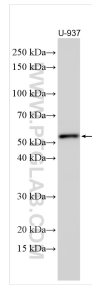
T: 4006900926

E: Proteintech-CN@ptglab.com

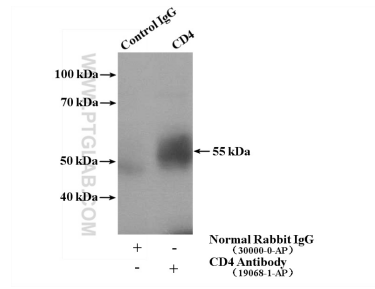
W: ptgcn.com

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## Selected Validation Data



U-937 cells were subjected to SDS PAGE followed by western blot with 19068-1-AP (CD4 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



IP result of anti-CD4 (IP:19068-1-AP, 4ug; Detection:19068-1-AP 1:500) with mouse thymus tissue lysate 2800ug.