

For Research Use Only

CD4 Polyclonal antibody

Catalog Number: 19068-1-AP

35 Publications



Basic Information

Catalog Number:

19068-1-AP

Concentration:

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:

WB, IP, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat, pig

Cited Species:

human, mouse, rat

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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

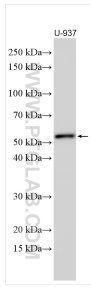
T: 4006900926

E: Proteintech-CN@ptglab.com

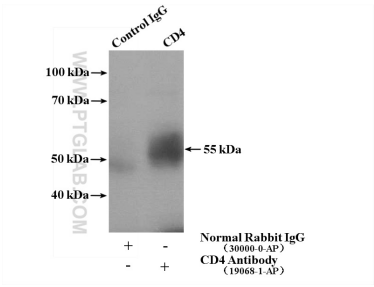
W: ptgcn.com

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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.