

For Research Use Only

CD4 Polyclonal antibody

Catalog Number: 19068-1-AP **6 Publications**



Basic Information

Catalog Number:

19068-1-AP

Size:

150UL, Concentration: 333 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13616

GenBank Accession Number:

BC025782

GeneID (NCBI):

920

Full Name:

CD4 molecule

Calculated MW:

55 kDa

Observed MW:

55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000
IP 0.5-4.0 µg for IP and 1:500-1:1000 for WB

Applications

Tested Applications:

IP, WB, ELISA

Species Specificity:

human, mouse, rat, pig

Cited Species:

human, mouse, rat

Positive Controls:

WB: 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
Rongrong Fu	30896815	Mol Med Rep	IF
Zhi Cao	30693666	Cancer Med	IHC
Changjiang Lei	30881491	Oncol Lett	

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

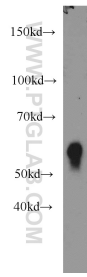
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

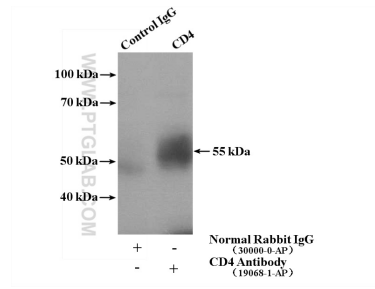
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



mouse thymus tissue were subjected to SDS PAGE followed by western blot with 19068-1-AP (CD4 antibody) at dilution of 1:1000 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.