

For Research Use Only

# CD4 Polyclonal antibody

Catalog Number: 11056-2-AP

19 Publications



## Basic Information

Catalog Number:

11056-2-AP

Size:

150ul, Concentration: 133 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0422

GenBank Accession Number:

BC025782

GeneID (NCBI):

920

ENSEMBL Gene ID:

ENSG00000010610

UNIPROT ID:

P01730

Full Name:

CD4 molecule

Calculated MW:

55 kDa

Observed MW:

50-55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2400

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, IP, FC

Species Specificity:

human, mouse

Cited Species:

human, mouse

Positive Controls:

WB : human spleen tissue,

IP : mouse spleen 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
Yuji Fukushima	36130493	Cell Rep	WB,IP,FC
Yu-qing Hu	36325102	Clin Cosmet Investig Dermatol	
Juan Tao	36399825	Biomed Pharmacother	

## 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

\*\*\* 20ul sizes contain 0.1% BSA

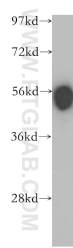
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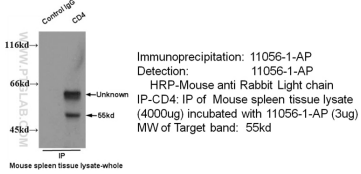
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Selected Validation Data



human spleen tissue were subjected to SDS PAGE followed by western blot with 11056-2-AP (CD4 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.

IP & WB of 11056-1-AP with Mouse spleen tissue



IP result of anti-CD4 (11056-2-AP for IP and Detection) with mouse spleen tissue lysate.