

For Research Use Only

CD4 Recombinant antibody

Catalog Number: 83513-7-RR

1 Publications



Basic Information

Catalog Number:

83513-7-RR

Size:

1000 μ g/ml

Source:

Rabbit

Isotype:

IgG

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:

Protein A purification

CloneNo.:

240427E12

Recommended Dilutions:

WB 1:1000-1:4000

IF/ICC 1:125-1:500

Applications

Tested Applications:

WB, IF/ICC, ELISA

Cited Applications:

IF

Species Specificity:

Human

Cited Species:

human

Positive Controls:

WB : U-937 cells, THP-1 cells

IF/ICC : THP-1 cells,

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).

Notable Publications

| Author | Pubmed ID | Journal | Application |
|------------|-----------|--------------|-------------|
| Wenzhao Su | 39558398 | J Transl Med | IF |

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:

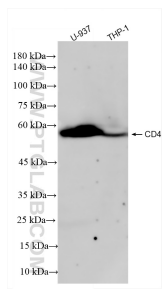
T: 4006900926

E: Proteintech-CN@ptglab.com

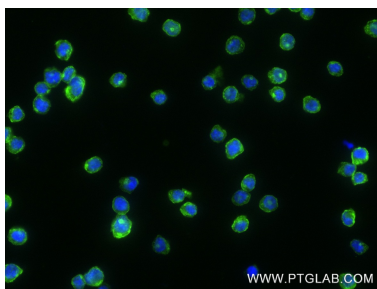
W: ptgcn.com

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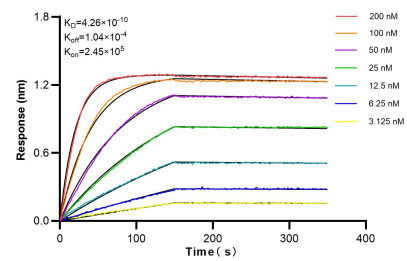
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83513-7-RR (CD4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed THP-1 cells using CD4 antibody (83513-7-RR, Clone: 240427E12) at dilution of 1:250 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1).



Biolayer interferometry (BLI) kinetic assays of 83513-7-RR against Human CD4 were performed. The affinity constant is 0.426 nM.