

For Research Use Only

# PDCD4 Recombinant antibody, PBS Only (Capture)

Catalog Number: 84162-3-PBS



## Basic Information

Catalog Number:

84162-3-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3288

GenBank Accession Number:

BC026104

GeneID (NCBI):

27250

UNIPROT ID:

Q53EL6

Full Name:

programmed cell death 4 (neoplastic transformation inhibitor)

Calculated MW:

469 aa, 52 kDa

Observed MW:

54-64 kDa

Purification Method:

Protein A purification

CloneNo.:

241463E3

## Applications

Tested Applications:

WB, FC (Intra), Cytometric bead array, Indirect ELISA

Species Specificity:

human

## Background Information

Programmed cell death 4 (Pdc4) is a novel tumor suppressor that inhibits translation, progression and invasion. It was first identified as being differentially upregulated during apoptosis. Pdc4 interferes with the activity of the eukaryotic initiation factor (eIF) 4A by displacing the scaffold protein eIF4G from its binding to the RNA helicase eIF4A. The calculated molecular weight of unmodified PDCD4 protein is 52 kDa, but the modified protein is about 54-64 kDa.

## Storage

Storage:

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS Only

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

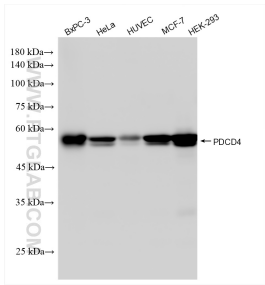
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

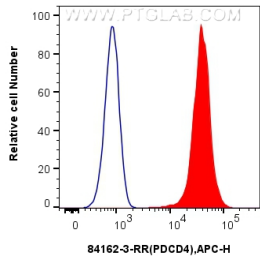
W: [ptgcn.com](http://ptgcn.com)

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

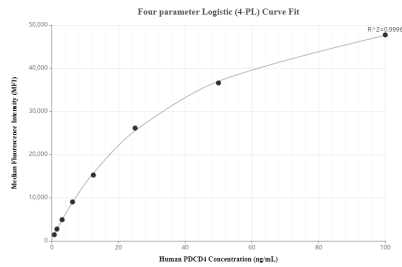
Selected Validation Data



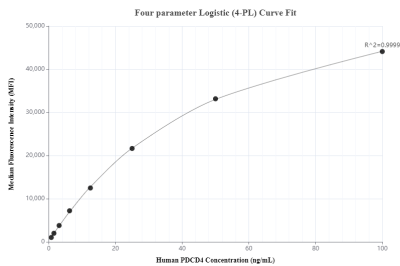
Various lysates were subjected to SDS PAGE followed by western blot with 84162-3-RR (PDCD4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84162-3-PBS in a different storage buffer formulation.



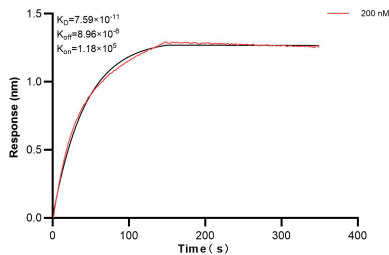
1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.25 ug PDCD4 Recombinant antibody (84162-3-RR, Clone:241463E3) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 84162-3-PBS in a different storage buffer formulation.



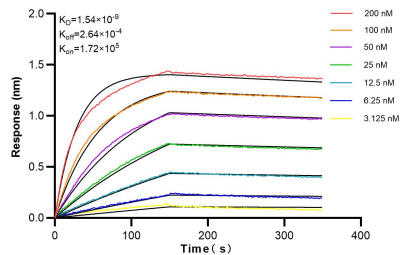
Cytometric bead array standard curve of MP01098-1, PDCD4 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84162-3-PBS. Detection antibody: 84162-1-PBS. Standard: Ag3288. Range: 0.781-100 ng/mL



Cytometric bead array standard curve of MP01098-2, PDCD4 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84162-3-PBS. Detection antibody: 84162-2-PBS. Standard: Ag3288. Range: 0.781-100 ng/mL



Biolayer interferometry (BLI) kinetic assay of 84162-3-PBS against Human PDCD4 was performed. The affinity constant is 75.9 pM.



Biolayer interferometry (BLI) kinetic assays of 84162-3-RR against Human PDCD4 were performed. The affinity constant is 1.54 nM.