

For Research Use Only

# PDCD4 Recombinant antibody, PBS Only (Capture)

Catalog Number: 84162-3-PBS



## Basic Information

<b>Catalog Number:</b> 84162-3-PBS	<b>GenBank Accession Number:</b> BC026104	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 27250	<b>CloneNo.:</b> 241463E3
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q53EL6	
<b>Isotype:</b> IgG	<b>Full Name:</b> programmed cell death 4 (neoplastic transformation inhibitor)	
<b>Immunogen Catalog Number:</b> AG3288	<b>Calculated MW:</b> 469 aa, 52 kDa	
	<b>Observed MW:</b> 54-64 kDa	

## Applications

**Tested Applications:**  
WB, FC (Intra), Cytometric bead array, Indirect ELISA

**Species Specificity:**  
human

## Product Information

84162-3-PBS targets PDCD4 as part of a matched antibody pair.

MP01098-1: 84162-3-PBS capture and 84162-1-PBS detection (validated in Cytometric bead array)

MP01098-2: 84162-3-PBS capture and 84162-2-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

## 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

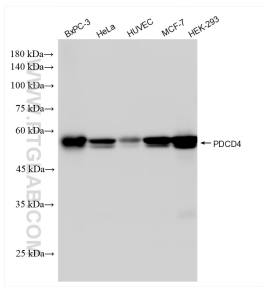
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

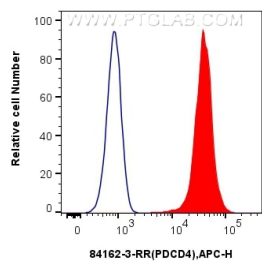
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

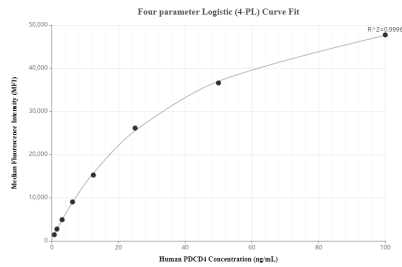
Selected Validation Data



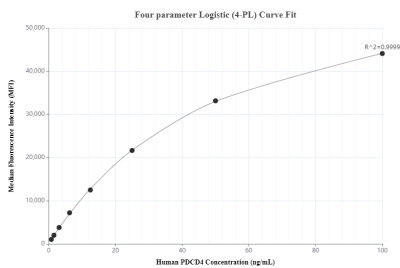
Various lysates were subjected to SDS PAGE followed by western blot with 84162-3-RR (PDCD4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84162-3-PBS in a different storage buffer formulation.



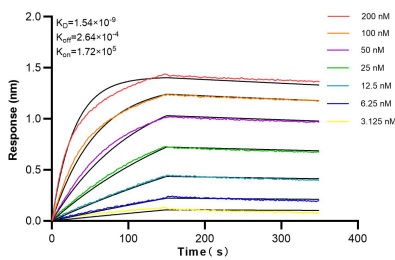
1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.25 ug PDCD4 Recombinant antibody (84162-3-RR, Clone:241463E3) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). 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 assays of 84162-3-RR against Human PDCD4 were performed. The affinity constant is 1.54 nM.