

For Research Use Only

# DCP1A Recombinant antibody, PBS Only (Capture/Detector)

Catalog Number: 85047-1-PBS



## Basic Information

<b>Catalog Number:</b> 85047-1-PBS	<b>GenBank Accession Number:</b> BC007439	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 55802	<b>CloneNo.:</b> 242553B12
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9NPI6	
<b>Isotype:</b> IgG	<b>Full Name:</b> DCP1 decapping enzyme homolog A (S. cerevisiae)	
<b>Immunogen Catalog Number:</b> AG18027	<b>Calculated MW:</b> 582 aa, 63 kDa	

## Applications

**Tested Applications:**  
Cytometric bead array, Sandwich ELISA, Indirect ELISA, Sample test

**Species Specificity:**  
human

## Product Information

85047-1-PBS targets DCP1A as part of a matched antibody pair:

MP01815-2: 85047-1-PBS capture and 85047-3-PBS detection (validated in Cytometric bead array)

MP01815-3: 85047-2-PBS capture and 85047-1-PBS detection (validated in Sandwich ELISA)

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.

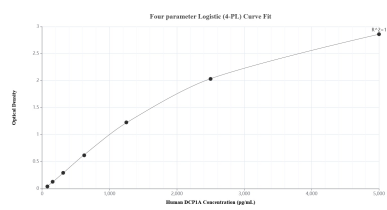
## Storage

**Storage:**  
Store at -80°C.  
**Storage Buffer:**  
PBS Only

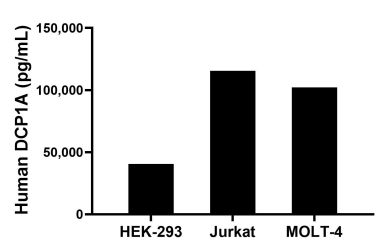
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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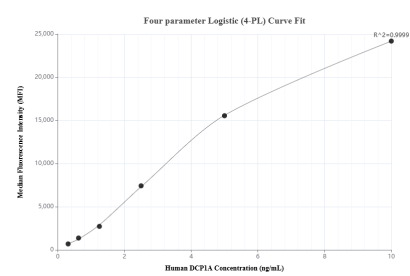
## Selected Validation Data



Sandwich ELISA standard curve of MP01815-3, Human DCP1A Recombinant Matched Antibody Pair - PBS only. 85047-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag18027. 85047-1-PBS was HRP conjugated as the detection antibody. Range: 78.1-5000 pg/mL



The mean DCP1A concentration was determined to be 40,493.9 pg/mL in HEK-293 cell extract based on a 2.7 mg/mL extract load, 115,506.8 pg/mL in Jurkat cell extract based on a 3.1 mg/mL extract load and 102,083.76 pg/mL in MOLT-4 cell extract based on a 3.2 mg/mL extract load.



Cytometric bead array standard curve of MP01815-2, DCP1A Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 85047-1-PBS. Detection antibody: 85047-3-PBS. Standard: Ag18027. Range: 0.313-10 ng/mL