

For Research Use Only

# PCNA Recombinant antibody, PBS Only (Detector)

Catalog Number: 81302-4-PBS



## Basic Information

<b>Catalog Number:</b> 81302-4-PBS	<b>GenBank Accession Number:</b> BC000491	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5111	<b>CloneNo.:</b> 240306B1
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P12004	
<b>Isotype:</b> IgG	<b>Full Name:</b> proliferating cell nuclear antigen	
<b>Immunogen Catalog Number:</b> AG0277	<b>Calculated MW:</b> 29 kDa/31 kDa	

## Applications

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

**Species Specificity:**  
human

## Product Information

81302-4-PBS targets PCNA as part of a matched antibody pair:

MP00424-1: 81302-2-PBS capture and 81302-4-PBS detection (validated in Cytometric bead array)

MP00424-2: 81302-3-PBS capture and 81302-4-PBS detection (validated in Cytometric bead array)

MP00424-4: 81302-3-PBS capture and 81302-4-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

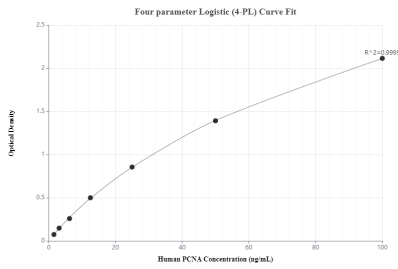
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

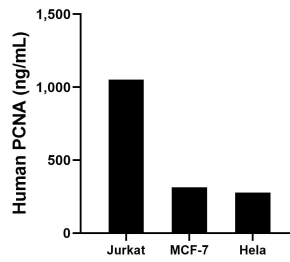
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

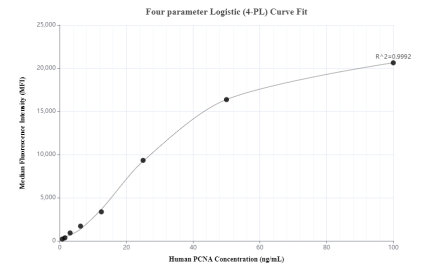
## Selected Validation Data



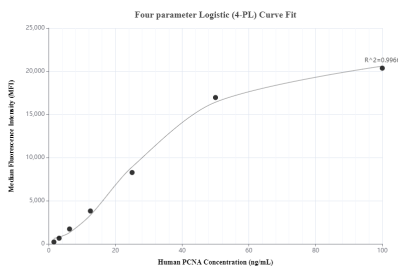
Sandwich ELISA standard curve of MP00424-4, human PCNA Recombinant Matched Antibody Pair - PBS only. 81302-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard: Ag0277. 81302-4-PBS was HRP conjugated as the detection antibody. Range: 1.56-100 ng/mL



The mean PCNA concentration was determined to be 1,050.8 ng/mL in Jurkat cell extract based on a 5.8 mg/mL extract load, 312.4 ng/mL in MCF-7 cell extract based on a 3.1 mg/mL extract load and 276.5 ng/mL in HeLa cell extract based on a 3.6 mg/mL extract load.



Cytometric bead array standard curve of MP00424-1, PCNA Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 81302-2-PBS. Detection antibody: 81302-4-PBS. Standard: Ag0277. Range: 0.78-100 ng/mL



Cytometric bead array standard curve of MP00424-2, PCNA Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 81302-3-PBS. Detection antibody: 81302-4-PBS. Standard: Ag0277. Range: 1.56-100 ng/mL