

# ACPP Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP03403-1**

## Capture Antibody Information

Catalog Number:  
87842-3-PBS

Host:  
Rabbit

Isotype:  
IgG

Purification Method:  
Protein A purification

Clone ID:  
253501C8

Reactivity:  
human

Immunogen Catalog Number:  
Eg6542

Conjugate:  
Unconjugated

Full name:  
acid phosphatase, prostate

Gene ID:  
55

## Detection Antibody Information

Catalog Number:  
87842-2-PBS

Host:  
Rabbit

Isotype:  
IgG

Purification Method:  
Protein A purification

Clone ID:  
253501E5

Reactivity:  
human

GenBank:  
NM\_001099.5

Immunogen Catalog Number:  
Eg6542

Conjugate:  
Unconjugated

Full name:  
acid phosphatase, prostate

Gene ID:  
55

## Applications

Tested Applications:  
Sandwich ELISA

Range:  
125-8000 pg/mL (Sandwich ELISA)

Recommended Dilutions:  
It is recommended that this reagent should be titrated in each testing system to obtain optimal results.

## Product Information

MP03403-1 targets ACPP in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: PPAP Recombinant monoclonal antibody, PBS Only (Capture) 87842-3-PBS (253501C8). 100 µg. Concentration 1 mg/mL.

Detection antibody: PPAP Recombinant monoclonal antibody, PBS Only (Detector) 87842-2-PBS (253501E5). 100 µg. Concentration 1 mg/mL.

Unconjugated rabbit recombinant monoclonal antibody pair in PBS only 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.

Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

## Storage

Storage:  
Store at -80°C.  
Storage buffer:  
PBS only

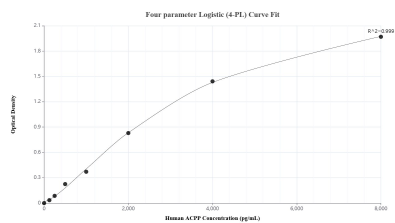
For technical support and original validation data for this product please contact:

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

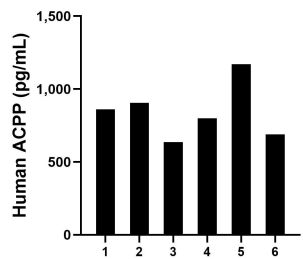
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

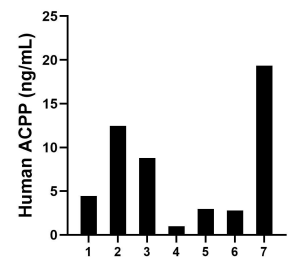
## Selected Validation Data



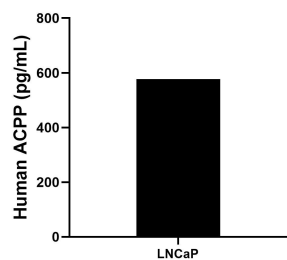
Sandwich ELISA standard curve of MP03403-1, Human ACPP Recombinant Matched Antibody Pair - PBS only. 87842-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg6542. 87842-2-PBS was HRP conjugated as the detection antibody. Range: 125-8000 pg/mL



Plasma of six individual healthy human donors was measured. The ACPP concentration of detected samples was determined to be 843.4 pg/mL with a range of 636.6-1,170.2 pg/mL.



Urine of seven individual healthy human donors was measured. The ACPP concentration of detected samples was determined to be 7.4 ng/mL with a range of 1.0-19.4 ng/mL.



LNCaP cells were cultured in DMEM supplemented with 10% fetal bovine serum, 2.5 mM L-glutamine, 100 U/mL penicillin, and 100 ug/mL streptomycin sulfate. An aliquot of the cell culture supernate was removed, assayed for human ACPP, and measured 576.6 pg/mL.