

ACPP Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP03403-1**

Capture Antibody Information

Catalog Number: 87842-3-PBS	Clone ID: 253501C8	Conjugate: Unconjugated
Host: Rabbit	Reactivity: human	Full name: acid phosphatase, prostate
Isotype: IgG	GenBank: NM_001099.5	Gene ID: 55
Purification Method: Protein A purification	Immunogen Catalog Number: Eg6542	

Detection Antibody Information

Catalog Number: 87842-2-PBS	Clone ID: 253501E5	Conjugate: Unconjugated
Host: Rabbit	Reactivity: human	Full name: acid phosphatase, prostate
Isotype: IgG	GenBank: NM_001099.5	Gene ID: 55
Purification Method: Protein A purification	Immunogen Catalog Number: Eg6542	

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.
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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.

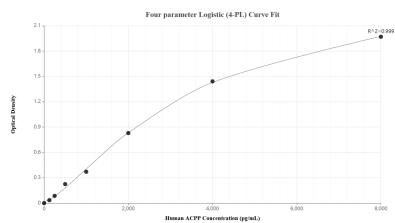
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

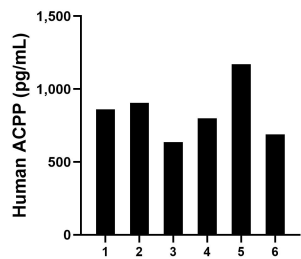
Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage buffer:
PBS only

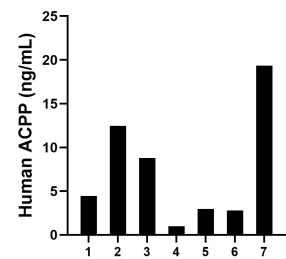
Selected Validation Data



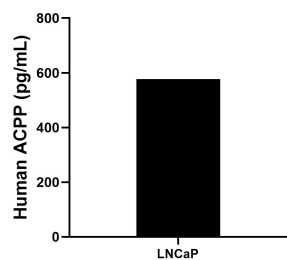
Sandwich ELISA standard curve of MP03403-1, Human ACPP Recombinant Matched Antibody Pair - PBS only. 87842-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg6542. 87842-2-PBS was HRP conjugated as the detection antibody. Range: 125-8000 pg/mL



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.