

Human Prostatic Acid Phosphatase ELISA Kit | ACPD elisa kit

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CATALOG #
AAA244509

REACTIVITY
Human

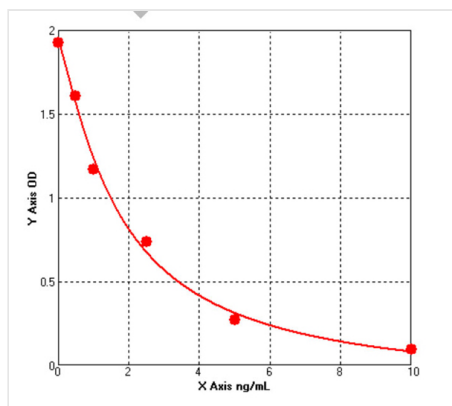
PRODUCT SYNONYMS

Prostatic Acid Phosphatase; Human Prostatic Acid Phosphatase ELISA Kit; ACPD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PAP. No significant cross-reactivity or interference between PAP and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PAP and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACPPELISA kit	Principle of the Assay: PAP ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-PAP antibody and an PAP-HRP conjugate. The assay sample and buffer are incubated together with PAP-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PAP concentration since PAP from samples and PAP-HRP conjugate compete for the anti-PAP antibody binding site. Since the number of sites is limited, as more sites are occupied by PAP from the sample, fewer sites are left to bind PAP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PAP concentration in each sample is interpolated from this standard curve. Intended Uses: This PAP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PAP. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	130730
NCBI GeneID	55
Molecular Weight	40,443 Da
NCBI Official Full Name	Prostatic acid phosphatase
NCBI Official Synonym Full Names	acid phosphatase, prostate
NCBI Official Symbol	ACPP
NCBI Official Synonym Symbols	ACP3; 5'-NT; ACP-3
NCBI Protein Information	prostatic acid phosphatase; TMPase; 5'-nucleotidase; ecto-5'-nucleotidase; thiamine monophosphatase; prostatic acid phosphatase
UniProt Protein Name	Prostatic acid phosphatase
UniProt Gene Name	ACPP
UniProt Synonym Gene Names	PAP; 5'-NT; TMPase
UniProt Entry Name	PPAP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.