

Human Acid Phosphatase ELISA Kit | ACP elisa kit

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CATALOG #
AAA83015

REACTIVITY
Human

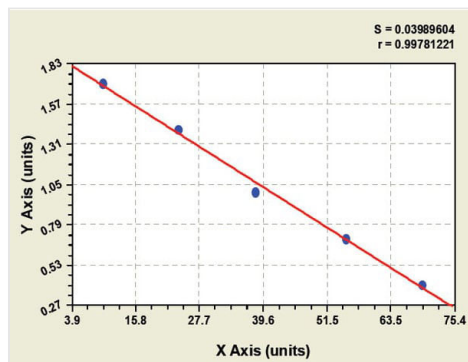
PRODUCT SYNONYMS

Acid Phosphatase; Human Acid Phosphatase ELISA Kit; ACP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACP elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This ACP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ACP. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY ACP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ACP antibody and an ACP-HRP conjugate. The assay sample and buffer are incubated together with ACP-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 ACP concentration since ACP from samples and ACP-HRP conjugate compete for the anti-ACP antibody binding site. Since the number of sites is limited, as more sites are occupied by ACP from the sample, fewer sites are left to bind ACP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ACP concentration in each sample is interpolated from this standard curve.
Product Categories/Family for ACP elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	189621
NCBI GeneID	55
Molecular Weight	40,443 Da
NCBI Official Full Name	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 phosphotase
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.

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Online datasheet: <https://stage.aaabiotech.com/acp-human-elisa-kits/acid-phosphatase/83015>