

Human Placental Alkaline Phosphatase ELISA Kit | PLAP elisa kit

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CATALOG #
AAA16433

REACTIVITY
Human

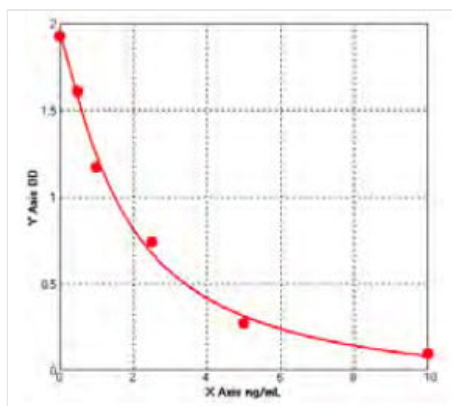
PRODUCT SYNONYMS

Placental Alkaline Phosphatase; Human Placental Alkaline Phosphatase ELISA Kit; PLAP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PALP. No significant cross-reactivity or interference between PALP and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PALP 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 PLAP elisa kit	Principle of the Assay: PALP ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PALP antibody and an PALP-HRP conjugate. The assay sample and buffer are incubated together with PALP-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 PALP concentration since PALP from samples and PALP-HRP conjugate compete for the anti-PALP antibody binding site. Since the number of sites is limited, as more sites are occupied by PALP from the sample, fewer sites are left to bind PALP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PALP concentration in each sample is interpolated from this standard curve. Intended Uses: This PALP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of HumanPALP. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	178464
NCBI GeneID	250
Molecular Weight	57,954 Da
NCBI Official Full Name	placental alkaline phosphatase
NCBI Official Synonym Full Names	alkaline phosphatase, placental
NCBI Official Symbol	ALPP
NCBI Official Synonym Symbols	ALP; PALP; PLAP; PLAP-1
NCBI Protein Information	alkaline phosphatase, placental type; Regan isozyme; glycerophosphatase; alkaline phosphomonoesterase; placental alkaline phosphatase 1; alkaline phosphatase Regan isozyme
UniProt Protein Name	Alkaline phosphatase, placental type
UniProt Gene Name	ALPP
UniProt Synonym Gene Names	PLAP; PLAP-1
UniProt Entry Name	PPB1_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/plap-human-elisa-kits/placental-alkaline-phosphatase/16433>