

Goat Placental Alkaline Phosphatase ELISA Kit | PLAP elisa kit

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CATALOG #
AAA88941

REACTIVITY
Goat

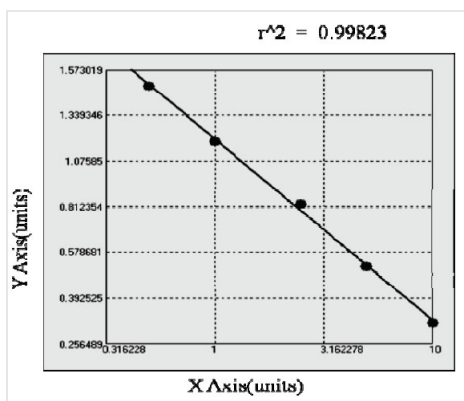
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Goat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This PLAP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat PLAP. This ELISA kit for research use only, not for therapeutic applications!
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: PLAP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PLAP antibody and an PLAP-HRP conjugate. The assay sample and buffer are incubated together with PLAP-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 PLAP concentration since PLAP from samples and PLAP-HRP conjugate compete for the anti-PLAP antibody binding site. Since the number of sites is limited, as more sites are occupied by PLAP from the sample, fewer sites are left to bind PLAP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PLAP concentration in each sample is interpolated from this standard curve.

Product Categories/Family for PLAP elisa kit	Metabolism
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NCBI AND UNIPROT INFORMATION

NCBI GI #	178464
NCBI GeneID	250
UniProt Accession #	P05187; P05188; P06861; Q53S78; Q96DB7
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
NCBI Protein Information	alkaline phosphatase, placental type; PLAP-1; 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
 Online datasheet: <https://stage.aaabiotech.com/plap-goat-elisa-kits/placental-alkaline-phosphatase/88941>