

Canine Placental Alkaline Phosphatase ELISA Kit | PLAP elisa kit

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CATALOG #
AAA88190

REACTIVITY
Canine

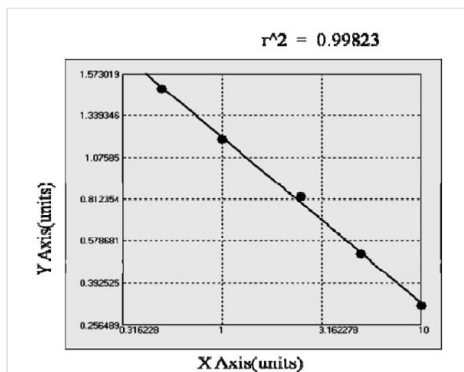
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This PLAP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine 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.

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-canine-elisa-kits/placental-alkaline-phosphatase/88190>