

Canine Phospholipid Transfer Protein ELISA Kit | PLTP elisa kit

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CATALOG #
AAA88621

REACTIVITY
Canine

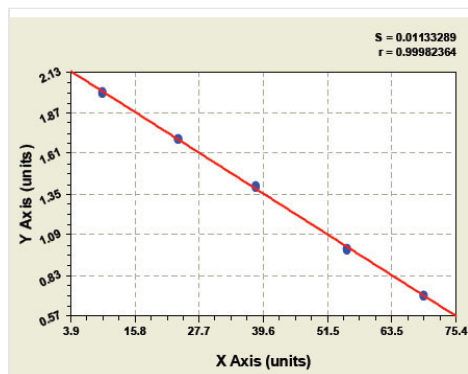
PRODUCT SYNONYMS

Phospholipid Transfer Protein; Canine Phospholipid Transfer Protein ELISA Kit; PLTP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	5.0-100U/mL
Sensitivity	1.0U/mL
Intended Uses	This PLTP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine PLTP. 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 PLTP elisa kit

Principle of the Assay: PLTP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PLTP antibody and an PLTP-HRP conjugate. The assay sample and buffer are incubated together with PLTP-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 PLTP concentration since PLTP from samples and PLTP-HRP conjugate compete for the anti-PLTP antibody binding site. Since the number of sites is limited, as more sites are occupied by PLTP from the sample, fewer sites are left to bind PLTP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PLTP concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453914
NCBI GeneID	5360
NCBI Accession #	NP_006218.1
NCBI GenBank Nucleotide #	NM_006227.3
Molecular Weight	44,847 Da
NCBI Official Full Name	phospholipid transfer protein isoform a
NCBI Official Synonym Full Names	phospholipid transfer protein
NCBI Official Symbol	PLTP
NCBI Official Synonym Symbols	BPIFE; HDLCQ9
NCBI Protein Information	phospholipid transfer protein; lipid transfer protein II; BPI fold containing family E
UniProt Protein Name	Phospholipid transfer protein
UniProt Gene Name	PLTP
UniProt Entry Name	PLTP_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/pltp-canine-elisa-kits/phospholipid-transfer-protein/88621>