

Rat Phospholipid Transfer Protein ELISA Kit | PLTP elisa kit

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CATALOG #
AAA83812

REACTIVITY
Rat

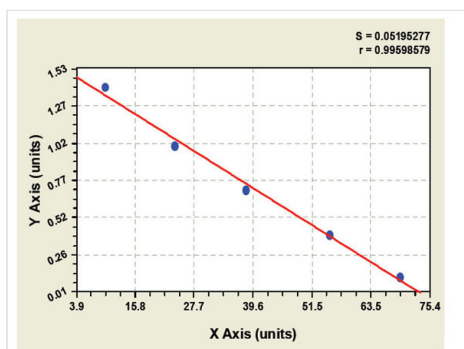
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	5.0-100U/mL
Sensitivity	1.0U/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PLTP elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate Intended Uses: This PLTP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat PLTP. This ELISA kit for research use only! 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.
Product Categories/Family for PLTP elisa kit	Cardiovascular

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.