

Phospholipid transfer protein ELISA Kit | PLTP elisa kit

Mouse PLTP PicoKine ELISA Kit

CATALOG #
AAA46105

REACTIVITY
Mouse. There is no detectable cross-reactivity with other relevant proteins.

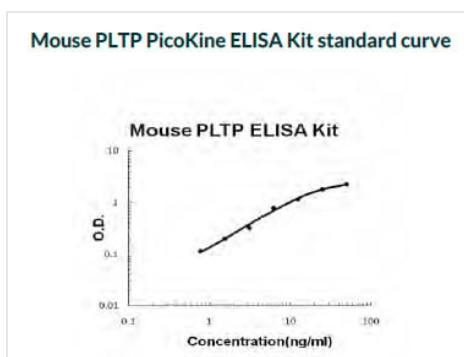
PRODUCT SYNONYMS

Phospholipid transfer protein; Mouse PLTP PicoKine ELISA Kit; BPI fold containing family E; BPIFE; HDLCQ9; High density lipoprotein cholesterol level quantitative trait locus 9; included; Lipid transfer protein II; OD107; Plasma phospholipid transfer protein; Pltp; PLTP_HUMAN; phospholipid transfer protein; PLTP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse. There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant Mouse Pltp
Sequence Length	493
Samples	Cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA)
Detection Range	0.78 ng/ml - 50 ng/ml
Sensitivity	<20 pg/ml
Immunogen	NSO, E18-A493
Intra-Assay Precision	Sample 1: n=16; Mean(ng/ml): 9.4; Standard deviation: 0.498; CV(%): 5.3 Sample 2: n=16; Mean(ng/ml): 18.5; Standard deviation: 0.907; CV(%): 4.9 Sample 3: n=16; Mean(ng/ml): 27; Standard deviation: 1.134; CV(%): 4.2
Inter-Assay Precision	Sample 1: n=24; Mean(ng/ml): 11.2; Standard deviation: 0.75; CV(%): 6.7 Sample 2: n=24; Mean(ng/ml): 17.9; Standard deviation: 0.931; CV(%): 5.2 Sample 3: n=24; Mean(ng/ml): 31; Standard deviation: 1.49; CV(%): 4.8
Assay Range	0.78ng/ml-50ng/ml
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PLTP elisa kit	Background: Phospholipid transfer protein (PLTP), also known as lipid transfer protein II is a protein that in humans is encoded by the PLTP gene. This gene is mapped to 20q13.12. The protein encoded by this gene is one of at least two lipid transfer proteins found in human plasma. The encoded protein transfers phospholipids from triglyceride-rich lipoproteins to high density lipoprotein (HDL). In addition to regulating the size of HDL particles, this protein may be involved in cholesterol metabolism. At least two transcript variants encoding different isoforms have been found for this gene. Principle of the Assay: The Picokine™ Mouse Pltp Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Mouse Pltp with a 96-well strip plate that is pre-coated with antibody specific for Pltp. The detection antibody is a biotinylated antibody specific for Pltp. The capture antibody is monoclonal antibody from rat and the detection antibody is polyclonal antibody from goat. The kit includes Mouse Pltp protein as standards. To measure Mouse Pltp, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Mouse Pltp in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Pltp in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6755112
NCBI GeneID	18830
NCBI Accession #	NP_035255.1
NCBI GenBank Nucleotide #	NM_011125.2
UniProt Accession #	P55065; Q99L70
Molecular Weight	54,453 Da
NCBI Official Full Name	phospholipid transfer protein
NCBI Official Synonym Full Names	phospholipid transfer protein
NCBI Official Symbol	Pltp
NCBI Official Synonym Symbols	Bpife; OD107
NCBI Protein Information	phospholipid transfer protein; lipid transfer protein II
UniProt Protein Name	Phospholipid transfer protein
UniProt Gene Name	Pltp
UniProt Entry Name	PLTP_MOUSE

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.