

Mouse Pancreatic Lipase ELISA Kit | PL elisa kit

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CATALOG #
AAA87951

REACTIVITY
Mouse

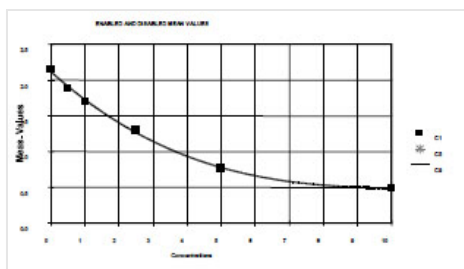
PRODUCT SYNONYMS

Pancreatic Lipase; Mouse Pancreatic Lipase ELISA Kit; PL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PL elisa kit

For Samples: Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma

Intended Uses: This PL ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of PL in the sample, this PL ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus PL concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: The coated well immunoassay for the quantitative measurement of PL utilizes a monoclonal anti-PL antibody and an PL-HRP conjugate. The assay sample and buffer are incubated together with PL-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 PL concentration since PL from samples and PL-HRP conjugate compete for the anti-PL antibody binding site. Since the number of sites is limited, as more sites are occupied by PL from the sample, fewer sites are left to bind PL-HRP conjugate. Standards of known PL concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of PL. The PL concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1304379
NCBI GeneID	5406
Molecular Weight	51,157 Da
NCBI Official Full Name	pancreatic lipase
NCBI Official Synonym Full Names	pancreatic lipase
NCBI Official Symbol	PNLIP
NCBI Official Synonym Symbols	PL; PTL; PNLIPD
NCBI Protein Information	pancreatic triacylglycerol lipase; triacylglycerol acylhydrolase
UniProt Protein Name	Pancreatic triacylglycerol lipase
UniProt Gene Name	PNLIP
UniProt Synonym Gene Names	PL; PTL; Pancreatic lipase
UniProt Entry Name	LIPP_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/pl-mouse-elisa-kits/pancreatic-lipase/87951>