Pancreatic Lipase (PL) ELISA Kit for Rabbit

PRODUCT OVERVIEW

Product Name	Pancreatic Lipase (PL), ELISA Kit
Full Product Name	Rabbit Pancreatic Lipase ELISA Kit
Product Gene Name	PL elisa kit
Species Reactivity	Rabbit
Assay Type	Sandwich
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	51,157 Da
Chromosome Location	Chromosome: 10; NC_000010.10 (118305428..118327367). Location: 10q26.1
OMIM	246600
3D Structure	ModBase 3D Structure for P16233
Related Product Information for PL elisa kit	MBS015420 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Pancreatic Lipase (PL) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing PL. The ELISA analytical biochemical technique of the MBS015420 kit is based on PL antibody-PL antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect PL antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, PL. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of PL elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PL. It may not necessarily be applicable to this product.

NCBI GI #	1304379
NCBI GeneID	5406
NCBI Accession #	AAA99053.1
UniProt Primary Accession #	P16233
UniProt Secondary Accession #	Q5VSQ2
UniProt Related Accession #	P16233
NCBI Official Full Name	pancreatic lipase
NCBI Official Synonym Full Names	pancreatic lipase
NCBI Official Symbol	PNLIP
NCBI Official Synonym Symbols	PL; PTL; PNLIPD
UniProt Protein Name	Pancreatic triacylglycerol lipase
Protein Family	Pancreatic lipase-related protein

UniProt Gene Name	PNLIP
UniProt Synonym Gene Names	PL; PTL
UniProt Entry Name	LIPP_HUMAN
NCBI Protein Information	pancreatic triacylglycerol lipase; triacylglycerol acylhydrolase
NCBI Summary for PL	This gene is a member of the lipase gene family. It encodes a carboxyl esterase that hydrolyzes insoluble, emulsified triglycerides, and is essential for the efficient digestion of dietary fats. This gene is expressed specifically in the pancreas. [provided by RefSeq, Jul 2008]
UniProt Comments for PL	PNLIP: a member of the lipase gene family. It encodes a carboxyl esterase that hydrolyzes insoluble, emulsified triglycerides, and is essential for the efficient digestion of dietary fats. expressed specifically in the pancreas. [provided by RefSeq, Jul 2008] Protein type: Secreted, signal peptide; Secreted; Lipid Metabolism - glycerolipid; EC 3.1.1.3; Hydrolase Chromosomal Location of Human Ortholog: 10q26.1 Cellular Component: extracellular region Molecular Function: triacylglycerol lipase activity; metal ion binding Biological Process: phototransduction, visible light; cholesterol absorption; retinoid metabolic process; lipid digestion; lipid catabolic process Disease: Pancreatic Lipase Deficiency
Research Articles on PL	**1.** Triacylglycerol lipase and alpha-amylase are highly over-expressed in pancreatic cyst fluids in patients with mucinous pancreatic neoplasms.
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