Pancreatic Lipase/PTL/PL/PNLIP Polyclonal Antibody(Capture/Detector)

catalog number: AN000700P

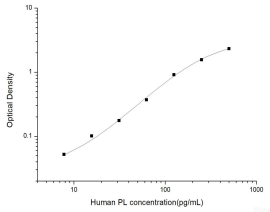
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Immunogen	Recombinant Human Pancreatic Lipase/PTL/PL/PNLIP protein expressed by Mammalian
Host	Rabbit
Isotype	Rabbit IgG
Purification	Antigen Affinity Purification
Conjugation	Unconjugated
Buffer	Phosphate buffered solution, pH 7.2, containing 0.05% proclin 300.

Applications	Recommended Dilution
ELISA Capture	2-8 μg/mL
ELISA Detector	0.1-0.4 μg/mL

Data



Sandwich ELISA-Recombinant Human Pancreatic Lipase/PTL/PL/PNLIP protein standard curve.Background subtracted standard curve using Pancreatic Lipase/PTL/PL/PNLIP antibody(AN000700P) (Capture),Pancreatic Lipase/PTL/PL/PNLIP Antibody(AN000700P)(Detector) in sandwich ELISA.The reference range value for Recombinant Human Pancreatic Lipase/PTL/PL/PNLIP protein is 7.81-500 pg/mL.

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

Background

PNLIP is an enzyme which belongs to the lipase family. Secreted from the pancreas, PNLIP is the primary lipase that hydrolyzes dietary fat molecules in the human digestive system, converting triglyceride substrates found in ingested oils to monoglycerides and free fatty acids. Bile salts secreted from the liver and stored in gallbladder are released into the duodenum where they coat and emulsify large fat droplets into smaller droplets, thus increasing the overall surface area of the fat, which allows the lipase to break apart the fat more effectively. The resulting monomers (2 free fatty acids and one 2-monoacylglycerol) are then moved by way of peristalsis along the small intestine to be absorbed into the lymphatic system by a specialized vessel called a lacteal.