

Mouse Adipose Triglyceride Lipase ELISA Kit | ATGL elisa kit

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CATALOG #
AAA95883

REACTIVITY
Mouse

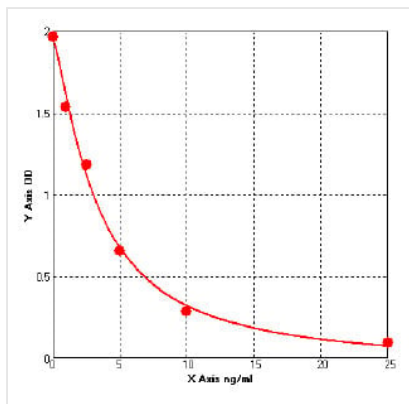
PRODUCT SYNONYMS

Adipose Triglyceride Lipase; Mouse Adipose Triglyceride Lipase ELISA Kit; ATGL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ATGL. No significant cross-reactivity or interference between ATGL and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ATGL and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ATGL elisa kit	Principle of the Assay: ATGL ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ATGL antibody and an ATGL-HRP conjugate. The assay sample and buffer are incubated together with ATGL-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 ATGL concentration since ATGL from samples and ATGL-HRP conjugate compete for the anti-ATGL antibody binding site. Since the number of sites is limited, as more sites are occupied by ATGL from the sample, fewer sites are left to bind ATGL-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ATGL concentration in each sample is interpolated from this standard curve. Intended Uses: This ATGL ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse ATGL. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	58759051
NCBI GeneID	57104
Molecular Weight	19,875 Da
NCBI Official Full Name	adipose triglyceride lipase
NCBI Official Synonym Full Names	patatin-like phospholipase domain containing 2
NCBI Official Symbol	PNPLA2
NCBI Official Synonym Symbols	ATGL; TTS2; PEDF-R; FP17548; TTS-2.2; iPLA2zeta; 1110001C14Rik
NCBI Protein Information	patatin-like phospholipase domain-containing protein 2; TTS2.2; desnutrin; IPLA2-zeta; triglyceride hydrolase; adipose triglyceride lipase; transport-secretion protein 2.2; pigment epithelium-derived factor; calcium-independent phospholipase A2; patatin-like phospholipase domain containing protein 2
UniProt Protein Name	Patatin-like phospholipase domain-containing protein 2
UniProt Gene Name	PNPLA2
UniProt Synonym Gene Names	ATGL; FP17548; TTS2
UniProt Entry Name	PLPL2_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.