

Human Adipose Triglyceride Lipase ELISA Kit | ATGL elisa kit

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CATALOG #
AAA96914

REACTIVITY
Human

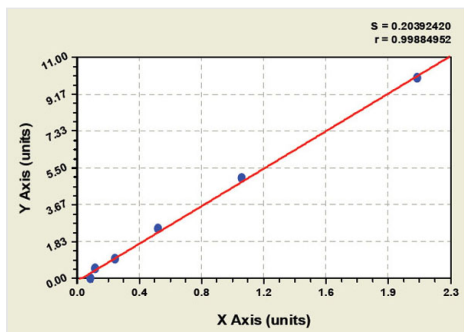
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This ATGL ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ATGL. This ELISA kit for research use only, not for therapeutic applications!
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 quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for ATGL. Standards or samples are then added to the microtiter plate wells and ATGL if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of ATGL present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for ATGL are added to each well to "sandwich" the ATGL immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain ATGL and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. 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.

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.

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Online datasheet: <https://stage.aaabiotech.com/atgl-human-elisa-kits/adipose-triglyceride-lipase/96914>