

Human Triglyceride Lipase ELISA Kit | TGL elisa kit

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CATALOG #
AAA90987

REACTIVITY
Human

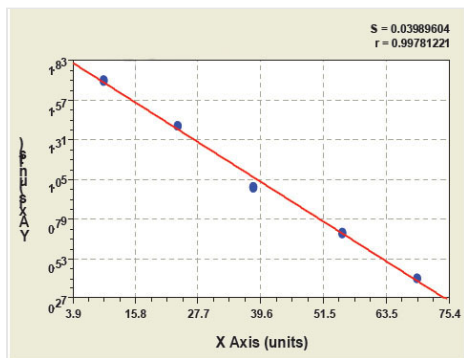
PRODUCT SYNONYMS

Triglyceride Lipase; Human Triglyceride Lipase ELISA Kit; TGL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This TGL ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human TGL. 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 TGL elisa kit

Principle of the Assay: TGL ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TGL antibody and an TGL-HRP conjugate. The assay sample and buffer are incubated together with TGL-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 TGL concentration since TGL from samples and TGL-HRP conjugate compete for the anti-TGL antibody binding site. Since the number of sites is limited, as more sites are occupied by TGL from the sample, fewer sites are left to bind TGL-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TGL concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	339593
NCBI GeneID	3990
Molecular Weight	55,914 Da
NCBI Official Full Name	triglyceride lipase
NCBI Official Synonym Full Names	lipase, hepatic
NCBI Official Symbol	LIPC
NCBI Official Synonym Symbols	HL; HTGL; LIPH; HDLCQ12
NCBI Protein Information	hepatic triacylglycerol lipase; hepatic lipase; lipase member C
UniProt Protein Name	Hepatic triacylglycerol lipase
UniProt Gene Name	LIPC
UniProt Synonym Gene Names	HTGL; HL; Hepatic lipase
UniProt Entry Name	LIPC_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/tgl-human-elisa-kits/triglyceride-lipase/90987>