

Rat Triglyceride Lipase ELISA Kit | TGL elisa kit

Rat Triglyceride Lipase ELISA Kit

CATALOG #
AAA92227

REACTIVITY
Rat

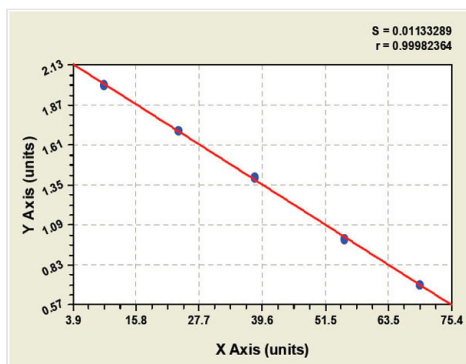
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
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 Rat TGL. This ELISA kit for research use only, not for therapeutic applications
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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.
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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.