

General Triglyceride (TG) ELISA Kit | TG elisa kit

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CATALOG #
AAA22843

REACTIVITY
General

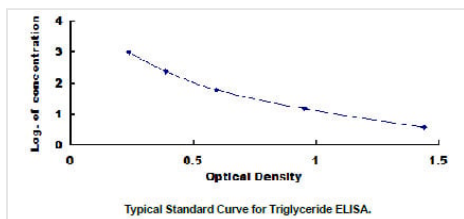
PRODUCT SYNONYMS

Triglyceride (TG); General Triglyceride (TG) ELISA Kit; TAG; Triacylglycerol; Triacylglyceride; TG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	This assay has high sensitivity and excellent specificity for detection of triglyceride. No significant cross-reactivity or interference between triglyceride and analogues was observed.
Sequence Length	499
Samples	Serum, plasma, tissue homogenates and other biological fluids
Assay Type	Quantitative Competitive
Detection Range	3.9-1,000ug/mL
Sensitivity	< 1.8ug/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level triglyceride were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level triglyceride were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TG elisa kit	Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of triglyceride in serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to triglyceride has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled triglyceride and unlabeled triglyceride (Standards or samples) with the pre-coated antibody specific to triglyceride. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of triglyceride in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of triglyceride in the sample.
References	Chitosan-stabilized selenium nanoparticles alleviate cardio-hepatic damage in type 2 diabetes mellitus model via regulation of caspase, Bax/Bcl-2, and Fas/FasL-pathway; Gene; 2021 Feb 5;768:145288.; PMID: 33181259; Amany Abdel-Rahman Mohamed; Department of Forensic Medicine and Toxicology, Faculty of Veterinary Medicine, Zagazig University, 4511, Egypt. Electronic address: amanyrahman292@gmail.com.

NCBI AND UNIPROT INFORMATION

NCBI GI #	339595
NCBI GeneID	3990
Molecular Weight	55,914 Da
NCBI Official Full Name	triglyceride lipase
NCBI Official Synonym Full Names	lipase C, hepatic type
NCBI Official Symbol	LIPC
NCBI Official Synonym Symbols	HL; HTGL; LIPH; HDLCQ12
NCBI Protein Information	hepatic triacylglycerol lipase
UniProt Protein Name	Hepatic triacylglycerol lipase
UniProt Gene Name	LIPC
UniProt Synonym Gene Names	HTGL; HL; Hepatic lipase

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/general-elisa-kits/triglyceride-tg/22843>