

## Rat Triglyceride Lipase ELISA Kit | TGL elisa kit

Rat Triglyceride Lipase ELISA Kit

CATALOG #  
**AAA92227**

REACTIVITY  
**Rat**

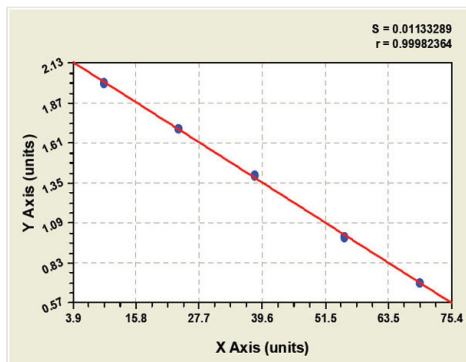
### PRODUCT SYNONYMS

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 | <b>Principle of the Assay:</b> 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.