



# **ELISA Kit for Gamma-Glutamyltransferase 1 (gGT1)**

Catalog No: tcue1946

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## **Available Sizes**

Size: 96T



## **Specifications**

#### **Research Area:**

Enzyme & Kinase;Infection immunity;Hepatology;

## **Species Reactivity:**

Mus musculus (Mouse)

## **Sample Type:**

Serum, plasma, tissue homogenates, cell lysates and other biological fluids

## **Sensitivity:**

The minimum detectable dose of this kit is typically less than 0.137ng/mL

## **Detection Range:**

0.312-20ng/mL

## **Assay Time:**

3h

#### **Detection Method:**

Enzyme-linked immunosorbent assay for Antigen Detection.

## **Tested Application:**

**ELISA** 

## **SwissProt:**

Q60928

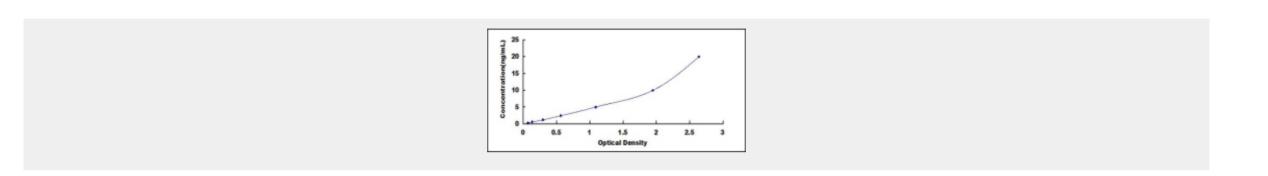
## **Test Principle**

The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated





with an antibody specific to Gamma-Glutamyltransferase 1 (gGT1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Gamma-Glutamyltransferase 1 (gGT1). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Gamma-Glutamyltransferase 1 (gGT1), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of  $450 \text{nm} \pm 10 \text{nm}$ . The concentration of Gamma-Glutamyltransferase 1 (gGT1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!