

# ELISA Kit for Glucose Transporter 4 (GLUT4) Catalog No: tcue1939

**Available Sizes** 

**Size:** 96T

Specifications

#### **Research Area:**

Signal transduction; Metabolic pathway; Endocrinology; Cardiovascular biology;

**Species Reactivity:** Rattus norvegicus (Rat)

# Sample Type:

tissue homogenates, cell lysates, cell culture supernates and other biological fluids

# Sensitivity:

The minimum detectable dose of this kit is typically less than 0.063ng/mL

#### **Detection Range:**

0.156-10ng/mL

# Assay Time:

3h

#### **Detection Method:**

Enzyme-linked immunosorbent assay for Antigen Detection.

# **Tested Application:**

ELISA

#### SwissProt:

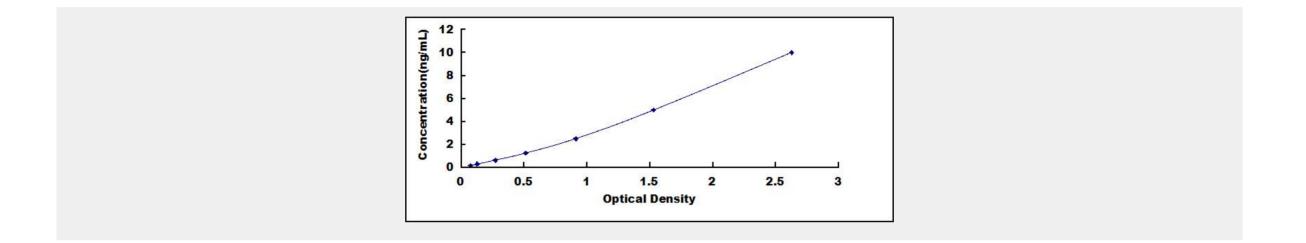
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# **Test Principle**

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 Glucose Transporter 4 (GLUT4). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Glucose Transporter 4 (GLUT4). 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 Glucose Transporter 4 (GLUT4), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzymesubstrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm  $\pm$  10nm. The concentration of Glucose Transporter 4 (GLUT4) in the samples is then determined by comparing the O.D. of the samples to the standard curve.



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