



# **ELISA Kit for Insulin Like Growth Factor 1 (IGF1)**

Catalog No: tcue2124



### **Available Sizes**

Size: 96T



## **Specifications**

#### **Research Area:**

Tumor immunity; Endocrinology;

#### **Species Reactivity:**

Cavia (Guinea pig )

#### **Sample Type:**

Serum, plasma and other biological fluids.

### **Sensitivity:**

The minimum detectable dose of this kit is typically less than 33pg/mL

## **Detection Range:**

78.12-5000pg/mL

#### **Assay Time:**

3h

## **Detection Method:**

Enzyme-linked immunosorbent assay for Antigen Detection.

### **Tested Application:**

**ELISA** 

#### **SwissProt:**

P17647

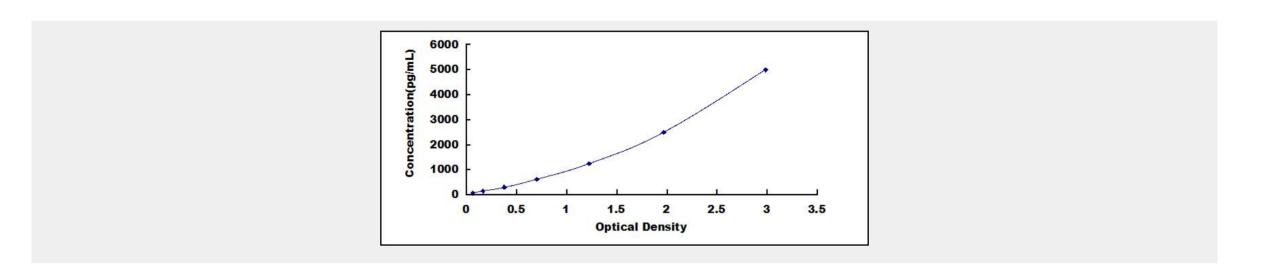
## **Test Principle**

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 Insulin Like Growth Factor 1 (IGF1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Insulin Like Growth Factor 1 (IGF1). 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 Insulin Like Growth Factor 1 (IGF1), 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 Insulin Like Growth Factor 1 (IGF1) 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!