



# **ELISA Kit for Protein Kinase C Epsilon (PKCe)**

**Catalog No: tcue327** 



## **Available Sizes**

Size: 96T



# **Specifications**

#### **Research Area:**

Signal transduction; Enzyme & Kinase; Apoptosis; Endocrinology; Cardiovascular biology;

## **Species Reactivity:**

Homo sapiens (Human)

#### **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 0.54ng/mL

## **Detection Range:**

1.56-100ng/mL

#### **Assay Time:**

3h

#### **Detection Method:**

Enzyme-linked immunosorbent assay for Antigen Detection.

## **Tested Application:**

**ELISA** 

#### **SwissProt:**

Q02156

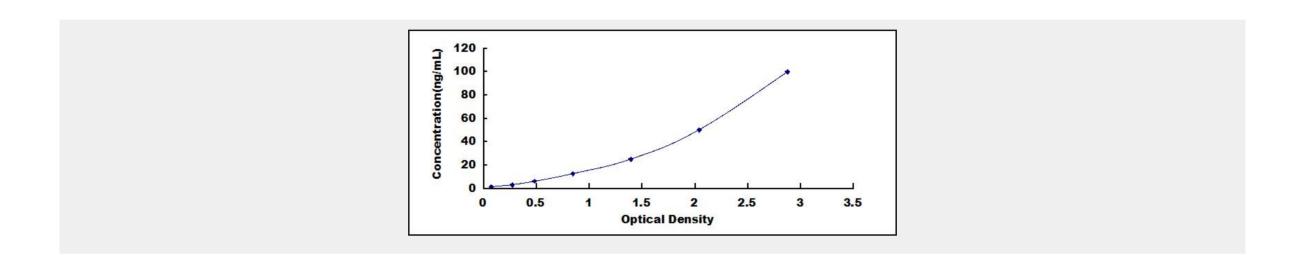
## **Test Principle**

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 Protein Kinase C Epsilon (PKCe). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Protein Kinase C Epsilon (PKCe). 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 Protein Kinase C Epsilon (PKCe), 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 450nm ± 10nm. The concentration of Protein Kinase C Epsilon (PKCe) 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!