



# **ELISA Kit for C Reactive Protein (CRP)**

**Catalog No: tcue305** 



## **Available Sizes**

Size: 96T



# **Specifications**

#### **Research Area:**

Tumor immunity; Infection immunity; Cardiovascular biology; Rheumatology;

### **Species Reactivity:**

Rattus norvegicus (Rat)

#### **Sample Type:**

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

## **Sensitivity:**

The minimum detectable dose of this kit is typically less than 6.5pg/mL

## **Detection Range:**

15.6-1000pg/mL

#### **Assay Time:**

3h

#### **Detection Method:**

Enzyme-linked immunosorbent assay for Antigen Detection.

## **Tested Application:**

**ELISA** 

#### **SwissProt:**

P48199

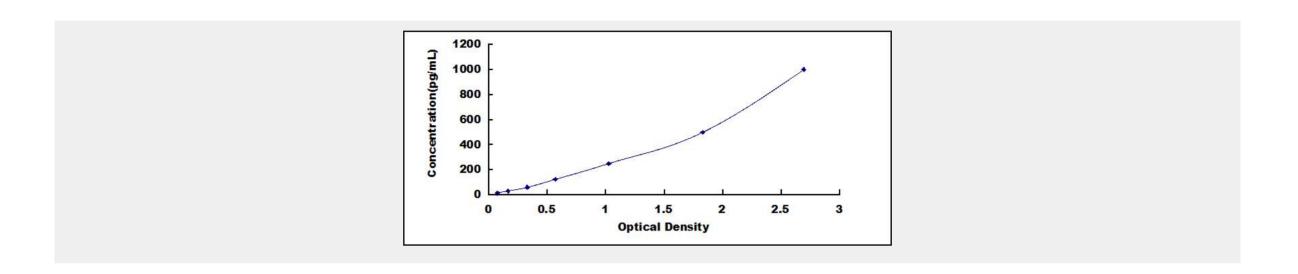
## **Test Principle**

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 C Reactive Protein (CRP). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to C Reactive Protein (CRP). 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 C Reactive Protein (CRP), 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 C Reactive Protein (CRP) 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!