



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

Catalog No: tcue109



## **Available Sizes**

Size: 96T



# **Specifications**

#### **Research Area:**

Tumor immunity; Infection immunity; Cardiovascular biology; Rheumatology;

## **Species Reactivity:**

Homo sapiens (Human)

#### **Sample Type:**

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

# Sensitivity:

The minimum detectable dose of this kit is typically less than 27.7pg/mL

## **Detection Range:**

62.5-4,000pg/mL

#### **Assay Time:**

3h

#### **Detection Method:**

Enzyme-linked immunosorbent assay for Antigen Detection.

# **Tested Application:**

ELISA

#### **SwissProt:**

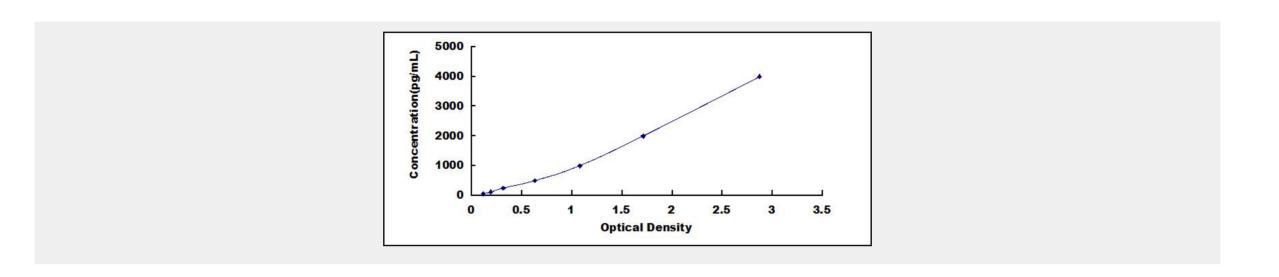
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# **Test Principle**





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 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!