



# **ELISA Kit for Complement Receptor 2 (CR2)**

**Catalog No: tcue809** 



## **Available Sizes**

Size: 96T



# **Specifications**

#### **Research Area:**

Signal transduction; CD & Adhesion molecule; Infection immunity; Immune molecule;

#### **Species Reactivity:**

Homo sapiens (Human)

#### **Sample Type:**

serum, plasma, tissue homogenates and other biological fluids

### **Sensitivity:**

The minimum detectable dose of this kit is typically less than 31pg/mL

## **Detection Range:**

78-5,000pg/mL

#### **Assay Time:**

3h

#### **Detection Method:**

Enzyme-linked immunosorbent assay for Antigen Detection.

## **Tested Application:**

**ELISA** 

#### **SwissProt:**

P20023

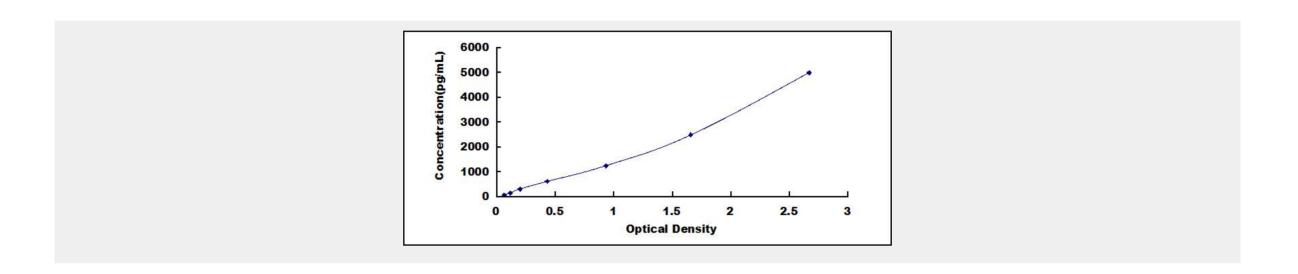
# **Test Principle**

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 Complement Receptor 2 (CR2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Complement Receptor 2 (CR2). 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 Complement Receptor 2 (CR2), 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 Complement Receptor 2 (CR2) 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!