



# **ELISA Kit for Immunoglobulin G (IgG)**

Catalog No: tcue6940



#### **Available Sizes**

Size: 96T



## **Specifications**

#### **Research Area:**

Infection immunity;Immune molecule;Hematology;

#### **Species Reactivity:**

Capra hircus; Caprine (Goat)

#### **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 1.5ng/mL

## **Detection Range:**

3.91-250ng/mL

#### **Assay Time:**

3h

#### **Detection Method:**

Enzyme-linked immunosorbent assay for Antigen Detection.

### **Tested Application:**

ELISA

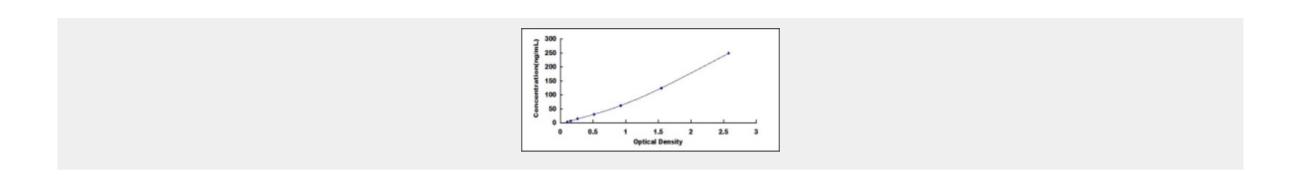
## **Test Principle**

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 Immunoglobulin G (IgG). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Immunoglobulin G (IgG). 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 Immunoglobulin G (IgG), 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 Immunoglobulin G (IgG) 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!