



# **ELISA Kit for Fibrillin 1 (FBN1)**

Catalog No: tcue249



# **Available Sizes**

Size: 96T



# **Specifications**

#### **Research Area:**

Signal transduction; Developmental science;

## **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 0.138ng/mL

# **Detection Range:**

0.312-20ng/mL

#### **Assay Time:**

3h

# **Detection Method:**

Enzyme-linked immunosorbent assay for Antigen Detection.

# **Tested Application:**

**ELISA** 

#### **SwissProt:**

D3ZQM5

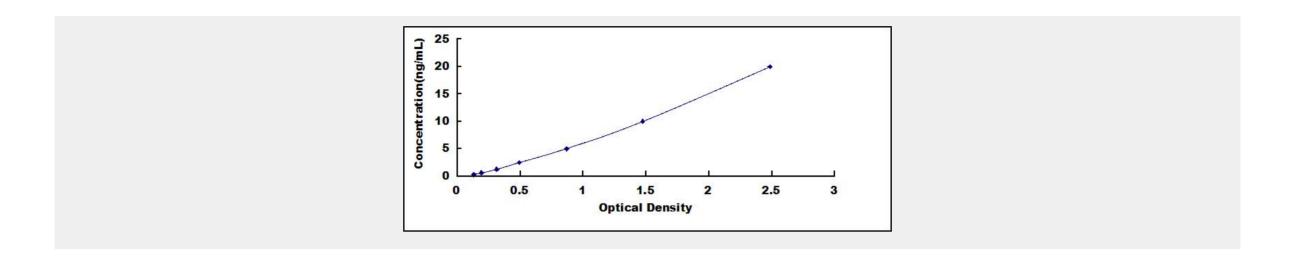
# **Test Principle**

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 Fibrillin 1 (FBN1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Fibrillin 1 (FBN1). 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 Fibrillin 1 (FBN1), 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 Fibrillin 1 (FBN1) 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!