



# **ELISA Kit for Matrix Metalloproteinase 1 (MMP1)**

Catalog No: tcue1575



## **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 0.057ng/mL

# **Detection Range:**

0.156-10ng/mL

#### **Assay Time:**

3h

#### **Detection Method:**

Enzyme-linked immunosorbent assay for Antigen Detection.

# **Tested Application:**

ELISA

#### SwissProt:

B5DFD5

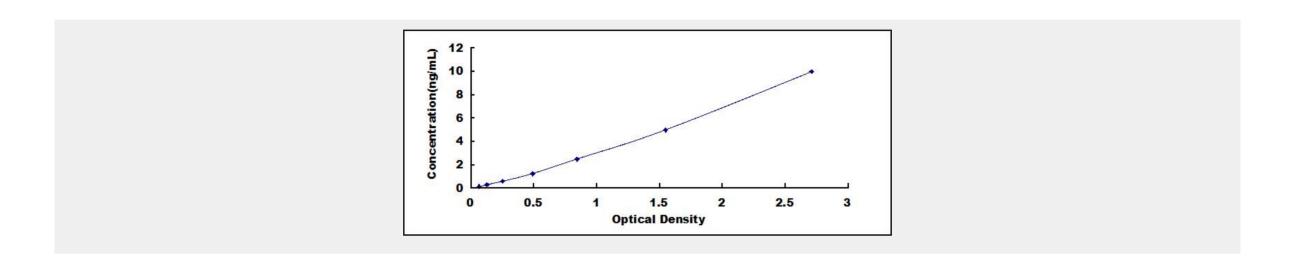
# **Test Principle**

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 Matrix Metalloproteinase 1 (MMP1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Matrix Metalloproteinase 1 (MMP1). 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 Matrix Metalloproteinase 1 (MMP1), 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 450nm  $\pm$  10nm. The concentration of Matrix Metalloproteinase 1 (MMP1) 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!