



# **ELISA Kit for Cathepsin L (CTSL)**

Catalog No: tcue1996



# **Available Sizes**

Size: 96T



# **Specifications**

#### **Research Area:**

Tumor immunity; Infection immunity;

## **Species Reactivity:**

Rattus norvegicus (Rat)

## **Sample Type:**

Serum, plasma and other biological fluids.

# **Sensitivity:**

The minimum detectable dose of this kit is typically less than 0.225ng/mL

# **Detection Range:**

0.625-40ng/mL

## **Assay Time:**

3h

#### **Detection Method:**

Enzyme-linked immunosorbent assay for Antigen Detection.

# **Tested Application:**

**ELISA** 

## **SwissProt:**

P07154

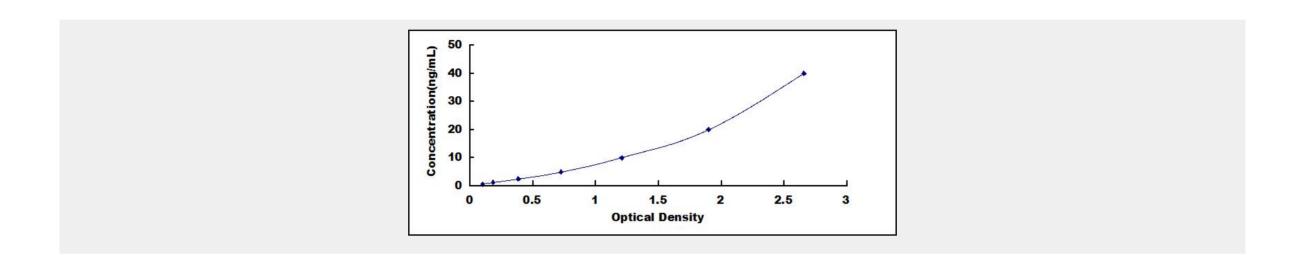
# **Test Principle**

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