

# ELISA Kit for Tissue Inhibitors Of Metalloproteinase 4 (TIMP4)

Catalog No: tcue2063



## Available Sizes

Size: 96T



## Specifications

### Research Area:

Tumor immunity; Cardiovascular biology;

### Species Reactivity:

Bos taurus; Bovine (Cattle)

### Sample Type:

Serum, plasma and other biological fluids.

### Sensitivity:

The minimum detectable dose of this kit is typically less than 0.125ng/mL

### Detection Range:

0.312-20ng/mL

### Assay Time:

3h

### Detection Method:

Enzyme-linked immunosorbent assay for Antigen Detection.

### Tested Application:

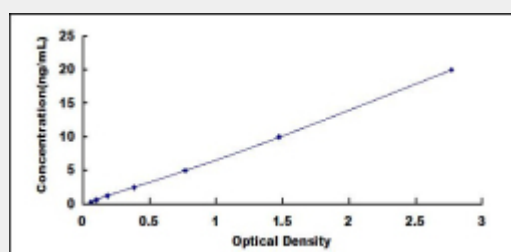
ELISA

### SwissProt:

O97563

## 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 Tissue Inhibitors Of Metalloproteinase 4 (TIMP4). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Tissue Inhibitors Of Metalloproteinase 4 (TIMP4). 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 Tissue Inhibitors Of Metalloproteinase 4 (TIMP4), 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 Tissue Inhibitors Of Metalloproteinase 4 (TIMP4) 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!