

# ELISA Kit for Kidney Injury Molecule 1 (Kim1) Catalog No: tcue1190

**Available Sizes** 

**Size:** 96T

Specifications

#### **Research Area:**

Tumor immunity; Infection immunity; Kidney biomarker;

**Species Reactivity:** Homo sapiens (Human)

#### Sample Type:

tissue homogenates, urine, cell culture supernates and other biological fluids

#### Sensitivity:

The minimum detectable dose of this kit is typically less than 28pg/mL

#### **Detection Range:**

78-5,000pg/mL

#### **Assay Time:**

3h

#### **Detection Method:**

Enzyme-linked immunosorbent assay for Antigen Detection.

### **Tested Application:**

ELISA

#### SwissProt:

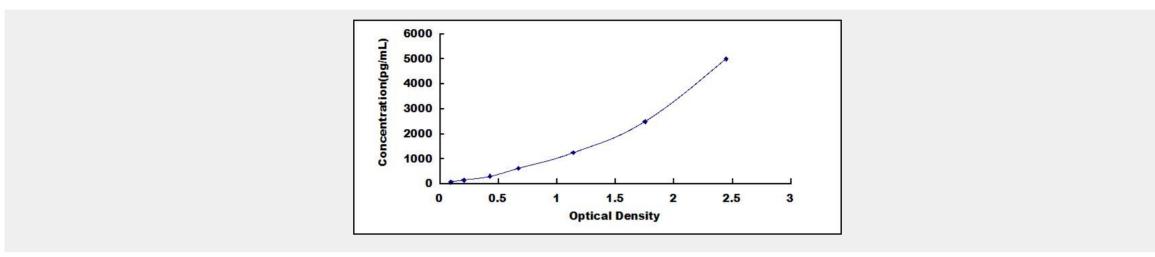
Q96D42

## **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 Kidney Injury Molecule 1 (Kim1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Kidney Injury Molecule 1 (Kim1). 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 Kidney Injury Molecule 1 (Kim1), 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  $\pm 10$ nm. The concentration of Kidney Injury Molecule 1 (Kim1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.



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