

# **MOUSE KIDNEY INJURY MOLECULE-1 ELISA KIT**

#### **Catalog number**

Mouse Kidney Injury Molecule-1 (KIM-1) ELISA......80652

#### Intended use

A high quality enzyme immunoassay for the quantification of mouse KIM-1 in serum, plasma, and urine.

#### **Test principle**

Crystal Chem's Mouse Kidney Injury Molecule-1 (KIM-1) ELISA kit is a sandwich ELISA. An unknown amount of KIM-1 present in the sample binds with antibodies bound to the surface of the microplate. After washing to remove unbound proteins, HRP labeled antibodies are added and form a complex on the surface. After another wash step, a substrate is added, and the concentration of KIM-1 is measured based color intensity.

## **Specifications**

Sample Types	Serum, Plasma and Urine
Assay Time	2 hours 40 minutes
Range	0.078 - 5 ng/mL
Sample Size	35 μL
Sensitivity	0.05 ng/mL
Precision	CV < 10%

#### **Highlights**

- ✓ Kits use only 35 µL sample
- √ Very sensitive (0.05 ng/mL)
- ✓ Optimized for mouse samples
- ✓ Complete the full test in < 3 hours

### **Summary of protocol**

Add 100 µL diluted sample or standard

Incubate 2 hours at room temperature

Wash plate

Add 100 µL HRP-antibody solution

Incubte 30 minutes at room temperature

Wash plate

Wash plate

Add 100 µL substrate solution

Incubate for 10 minutes in the dark

Add 100 µL stop solution

Measure OD at 450/630 nm

