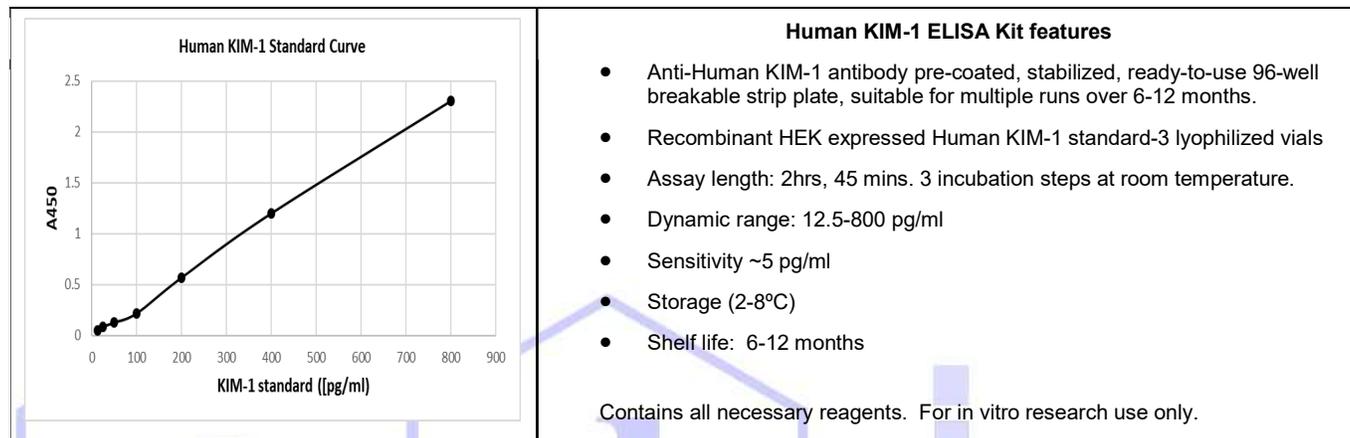


Human KIM-1/TIM-1 ELISA Kit Cat# 1015

The Human KIM-1 ELISA Kit is a highly sensitive sandwich ELISA for the measurement of Human KIM-1 in serum, plasma, urine or cell culture supernatants.



Assay Procedure: Allow all reagents to reach room temperature. Arrange and label required number of strips.

- Step 1.** Pipette 100 ul of appropriately diluted samples and calibrators into wells and incubate for 1 hour at room temperature.
- Step 2.** Wash the wells 3X with 300 ul of wash buffer for each well
- Step 3.** Add 100 ul of 1X biotinylated detection antibody to each well and incubate for 1 hour at room temperature
- Step 4.** Wash the wells 3X with 300 ul of wash buffer for each well
- Step 5.** Add 100 ul of 1X Streptavidin-HRP reagent to each well and incubate for 30 minutes at room temperature.
- Step 6.** Wash the wells 4X with 300 ul of wash buffer for each well
- Step 7.** Add 100 ul of TMB Substrate solution to all wells, mix gently, and incubate at room temperature for 15 min.
- Step 8.** Pipette 100 ul of stop solution into each well and mix gently. Measure at 450 nm w/ 630 nm as a reference filter if available.

Performance Characteristics

Sensitivity: 5 pg/ml
Recovery: 90-110%
Linearity: 90-110%
Precision: Intra-assay: <10% Inter-assay: <10%
Species cross-reactivity: Cross-reactivity with other species has not been assessed.

Minimum recommended dilutions:

Urine: - fold
 Serum & Plasma: 8-fold
 Culture medium: 2-fold

Note: Minimum recommended dilution represents the dilution which is needed to eliminate matrix interference effects. All samples must be diluted to at least the minimum recommended ratio. Samples may be further diluted if the sample values fall within the standard curve, if sample volume is to be preserved, or if the sample value is above the highest OD on the standard curve

General Information

Kidney injury molecule 1 (KIM-1), also known as T-cell immunoglobulin receptor 1 (TIM-1) or Hepatitis A virus cellular receptor 1 (HAVcr-1) is a type 1 transmembrane protein expressed in the renal tubular cells. KIM-1 is released after tubular injury and can be used in the diagnosis of acute kidney injury (AKI).

Related Items

Catalog#	Description
1005	Human Lipocalin-2/NGAL ELISA Kit
1015	Human KIM-1/TIM-1 ELISA Kit
CYC-R-100	Native Human Cystatin C antigen
1025	Human Cystatin C ELISA Kit