

Human Kidney Injury Molecule 1 (Kim1) ELISA Kit | Kim1 elisa kit

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CATALOG #
AAA13987

REACTIVITY
Human

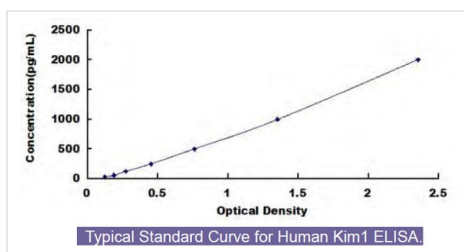
PRODUCT SYNONYMS

Kidney Injury Molecule 1 (Kim1); Human Kidney Injury Molecule 1 (Kim1) ELISA Kit; HAVCR1 TIM1 TIMD1 HAVCR Hepatitis A Virus Cellular Receptor 1 T Cell Immunoglobulin And Mucin Domain-Containing Protein 1 T-cell immunoglobulin mucin receptor 1; Kim1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Kim1. No significant cross-reactivity or interference between Kim1 and analogues was observed.
Sequence Length	364
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, urine, cell culture supernates or other biological fluids
Detection Range	31.2-2000pg/mL
Sensitivity	< 11.6pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Kim1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Kim1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Kim1 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to Kim1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to 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 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 ± 10nm. The concentration of Kim1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of Kim1 in human tissue homogenates, urine, cell culture supernates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	290560750
NCBI GeneID	26762
NCBI Accession #	NP_001166864.1
NCBI GenBank Nucleotide #	NM_001173393.2
UniProt Accession #	Q96D42; O43656
Molecular Weight	38,720 Da
NCBI Official Full Name	hepatitis A virus cellular receptor 1 isoform a
NCBI Official Synonym Full Names	hepatitis A virus cellular receptor 1
NCBI Official Symbol	HAVCR1
NCBI Official Synonym Symbols	TIM; KIM1; TIM1; CD365; HAVCR; KIM-1; TIM-1; TIMD1; TIMD-1; HAVCR-1
NCBI Protein Information	hepatitis A virus cellular receptor 1
UniProt Protein Name	Hepatitis A virus cellular receptor 1
UniProt Gene Name	HAVCR1
UniProt Synonym Gene Names	KIM1; TIM1; TIMD1; HAVcr-1; KIM-1; TIMD-1; TIM; TIM-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.