Mouse Kidney Injury Molecule 1 (Kim1) CLIA Kit | Kim1 clia kit

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CATALOG #	REACTIVITY	APPLICATIONS
AAA188982	**Mouse**	**CLIA (Chemiluminescence Immunoassay)**

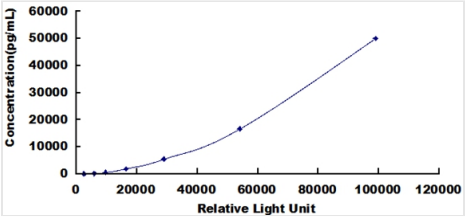
PRODUCT SYNONYMS

Kidney Injury Molecule 1 (Kim1); Mouse Kidney Injury Molecule 1 (Kim1) CLIA Kit; Kidney Injury Molecule 1; 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 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Kidney Injury Molecule 1 (Kim1). No significant cross-reactivity or interference between Kidney Injury Molecule 1 (Kim1) and analogues was observed.
Sequence Length	282
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, urine, cell culture supernates and other biological fluids
Detection Range	68.6-50,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 26.3pg/mL
Applicable Applications for Kim1 clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Kidney Injury Molecule 1 (Kim1) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Kidney Injury Molecule 1 (Kim1) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate 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 microplate 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. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Kidney Injury Molecule 1 (Kim1) level in the sample or standard.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	262231823
NCBI Accession #	NP_001160103.1
NCBI GenBank Nucleotide #	NP_001160103.1
UniProt Accession #	Q5QNS5
NCBI Official Full Name	hepatitis A virus cellular receptor 1 homolog isoform b
UniProt Protein Name	Hepatitis A virus cellular receptor 1 homolog
UniProt Gene Name	**Havcr1**
UniProt Synonym Gene Names	Kim1; Tim1; Timd1; HAVcr-1; KIM-1; TIMD-1; TIM-1
UniProt Entry Name	HAVR1_MOUSE

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.

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Online datasheet: https://stage.aaabiotech.com/mouse-clia-kits/kidney-injury-molecule-1-kim1/188982