Rat Kidney Injury Molecule 1 (Kim1) RTU ELISA Kit | Kim1 rtu elisa kit

Rat Kidney Injury Molecule 1 (Kim1) ELISA Kit

CATALOG #	REACTIVITY
AAA23964	**Rat**

PRODUCT SYNONYMS

Kidney Injury Molecule 1 (Kim1); Rat 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 rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
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	307
Assay Type	Quantitative Sandwich
Samples	Rat tissue homogenates, urine, cell culture supernates or other biological fluids
Detection Range	62.5-4000pg/mL
Sensitivity	< 22.6pg/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 kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Kim1 rtu 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 rat tissue homogenates, urine, cell culture supernates or other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	27465629
NCBI GeneID	286934
NCBI Accession #	NP_775172.1
NCBI GenBank Nucleotide #	NM_173149.2
UniProt Accession #	O54947
Molecular Weight	33,964 Da
NCBI Official Full Name	hepatitis A virus cellular receptor 1 homolog
NCBI Official Synonym Full Names	hepatitis A virus cellular receptor 1
NCBI Official Symbol	Havcr1
NCBI Official Synonym Symbols	Kim1; KIM-1
NCBI Protein Information	hepatitis A virus cellular receptor 1 homolog
UniProt Protein Name	Hepatitis A virus cellular receptor 1 homolog
UniProt Gene Name	**Havcr1**
UniProt Synonym Gene Names	Kim1; HAVcr-1; KIM-1; TIMD-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.

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Online datasheet: https://stage.aaabiotech.com/rat-rtu-elisa-kits/kidney-injury-molecule-1-kim1/23964