

Mouse KIM-1 (Kidney Injury Molecule 1) ELISA Kit | KIM-1 elisa kit

MS Mouse KIM-1 (Kidney Injury Molecule 1) ELISA Kit

CATALOG #
AAA178043

REACTIVITY
Mouse

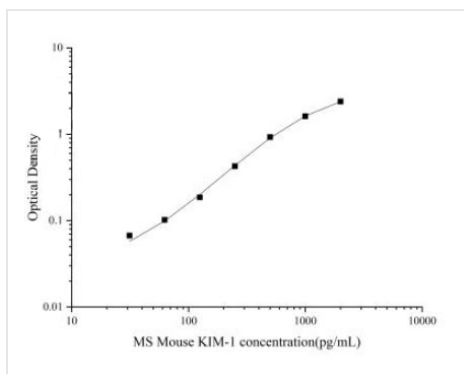
PRODUCT SYNONYMS

KIM-1 (Kidney Injury Molecule 1); MS Mouse KIM-1 (Kidney Injury Molecule 1) ELISA Kit; KIM-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This kit recognizes Mouse KIM-1 in samples. No significant cross-reactivity or interference between Mouse KIM-1 and analogues was observed
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	31.25-2000 pg/mL
Sensitivity	18.75 pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Mouse KIM-1 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Mouse KIM-1 were tested on 3 different plates, 20 replicates in each plate, respectively.
Preparation and Storage	An unopened kit can be stored at 2-8 degree C for 1 month. If the kit is not supposed to be used within 1 month, store the components separately according to the following conditions once the kit is received.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for KIM-1 elisa kit	Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Mouse KIM-1. Samples (or Standards) are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Mouse KIM-1 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Mouse KIM-1, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 ± 2 nm. The OD value is proportional to the concentration of Mouse KIM-1. You can calculate the concentration of Mouse KIM-1 in the samples by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Mouse KIM-1 concentrations in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	262231823
NCBI GeneID	171283
NCBI Accession #	NP_001160103.1
NCBI GenBank Nucleotide #	NM_001166631.1
UniProt Accession #	Q5QNS5; Q7TPU2; Q8VIM1; Q8VIM2
Molecular Weight	30,925 Da
NCBI Official Full Name	hepatitis A virus cellular receptor 1 homolog isoform b
NCBI Official Synonym Full Names	hepatitis A virus cellular receptor 1
NCBI Official Symbol	Havcr1
NCBI Official Synonym Symbols	Tim1; KIM-1; TIM-1; Timd1; AI503787
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; 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.