

Mouse KIM1 ELISA Kit | HAVCR1 elisa kit

Mouse KIM1 PicoKine ELISA Kit

CATALOG #
AAA45232

REACTIVITY
Mouse

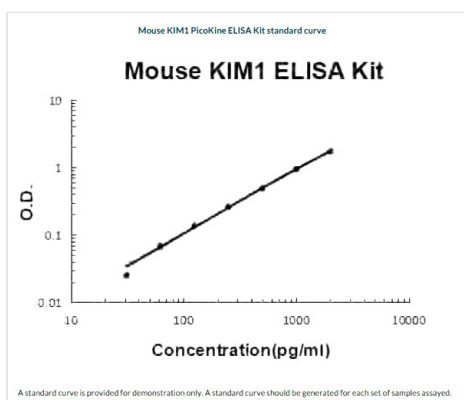
PRODUCT SYNONYMS

KIM1; Mouse KIM1 PicoKine ELISA Kit; Hepatitis A virus cellular receptor 1; hepatitis A virus cellular receptor 1; HAVCR; HAVcr-1; Havcr1; HAVR1_HUMAN; Kidney injury molecule 1; KIM-1; T cell immunoglobulin domain and mucin domain protein 1; T-cell immunoglobulin and mucin domain-containing protein 1; T-cell membrane protein 1; TIM; TIM-1; TIM1; TIMD-1; TIMD1; HAVCR1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Havcr1
Sequence Length	282
Samples	Cell culture supernatants, serum, plasma (heparin, edta) and urine
Detection Range	31.2 pg/ml - 2,000 pg/ml
Sensitivity	<2 pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HAVCR1 elisa kit	Principle of the Assay: Picokine™ Mouse Havcr1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Mouse Havcr1 with a 96-well strip plate that is pre-coated with antibody specific for Havcr1. The detection antibody is a biotinylated antibody specific for Havcr1. The capture antibody is polyclonal antibody from goat and the detection antibody is polyclonal antibody from goat. The kit contains recombinant Mouse Havcr1 with immunogen: Expression system for standard: NS0; Immunogen sequence: Y22-T212. The kit is analytically validated with ready-to-use reagents. To measure Mouse Havcr1, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Mouse Havcr1 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Havcr1 in the sample. Background/Introduction: KIM1 (TIM-1), also known as Hepatitis A virus cellular receptor 1, is a protein that in Mouses is encoded by the HAVCR1 gene.[1][2][3] Infection of canine osteogenic sarcoma cells expressing HAVCR1 with HAV led Feigelstock et al. (1998) to conclude that the protein is indeed a receptor for the virus. Immunofluorescence microscopy demonstrated internalization of HAV by dog cells expressing HAVCR1. Using a monoclonal antibody to mouse Tim1, Umetsu et al. (2005) showed that Tim1 was expressed after activation of naive T cells and on T cells differentiated in Th2-polarizing conditions. By homology of syntenly with the mouse Tim1 gene and database analysis, McIntire et al. (2001) mapped the HAVCR1 gene to 5q33.2. The standard used in this kit is recombinant mouse KIM-1, constituting from Y22-T212 amino acids, and 191amino acids with the molecular mass of 21.8KDa.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	123785514
NCBI GeneID	171283
UniProt Accession #	Q3V033; Q5QNS5
Molecular Weight	30,968 Da
NCBI Official Full Name	11 days pregnant adult female ovary and uterus cDNA, RIKEN full-length enriched library, clone:5031400I12 product:hepatitis A virus cellular receptor 1, full insert sequence
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; TIMD-1; HAVcr-1; kidney injury molecule 1; t cell membrane protein 1; T-cell immunoglobulin mucin receptor 1; T-cell immunoglobulin and mucin domain containing 1; t cell immunoglobulin and mucin domain-containing protein 1
UniProt Protein Name	Hepatitis A virus cellular receptor 1 homolog
UniProt Gene Name	Havcr1
UniProt Entry Name	Q3V033_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.