

Human KIM1 ELISA Kit | HAVCR1 elisa kit

Human KIM1 PicoKine ELISA Kit

CATALOG #
AAA11532

REACTIVITY
Human

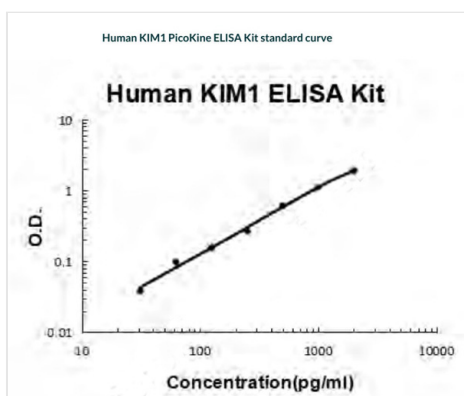
PRODUCT SYNONYMS

KIM1; Human 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	Human
Specificity	Natural and recombinant Human HAVCR1
Sequence Length	359
Samples	Cell culture supernatants, cell lysates, 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 interassay 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	Background: KIM1 (TIM-1), also known as Hepatitis A virus cellular receptor 1, is a protein that in Rats is encoded by the HAVCR1 gene. Infection of canine osteogenic sarcoma cells expressing HAVCR1 with HAV led 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 Rat Tim1, Tim1 was expressed after activation of naive T cells and on T cells differentiated in Th2-polarizing conditions. By homology of synteny with the Rat Tim1 gene and database analysis, the HAVCR1 gene was mapped to 5q33.2. Principle of the Assay: The Picokine™ Human HAVCR1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human 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 Human HAVCR1 with immunogen: Expression system for standard: NS0; Immunogen sequence: S21-T288. The kit is analytically validated with ready-to-use reagents. To measure Human 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 Human 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 Human HAVCR1 in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	73919877
NCBI GeneID	26762
UniProt Accession #	Q96D42; O43656
Molecular Weight	38,720 Da
NCBI Official Full Name	Hepatitis A virus cellular receptor 1
NCBI Official Synonym Full Names	hepatitis A virus cellular receptor 1
NCBI Official Symbol	HAVCR1
NCBI Official Synonym Symbols	TIM; KIM1; TIM1; HAVCR; KIM-1; TIM-1; TIMD1; TIMD-1; HAVCR-1
NCBI Protein Information	hepatitis A virus cellular receptor 1; kidney injury molecule 1; T-cell membrane protein 1; T-cell immunoglobulin mucin receptor 1; T-cell immunoglobulin mucin family member 1; T cell immunoglobulin domain and mucin domain protein 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
UniProt Entry Name	HAVR1_HUMAN

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/havcr1-human-elisa-kits/kim1/11532>