

Human KIM-1 ELISA Kit | HAVCR1 elisa kit

Human KIM-1 ELISA Kit

CATALOG # AAA105737	REACTIVITY Human	APPLICATIONS ELISA
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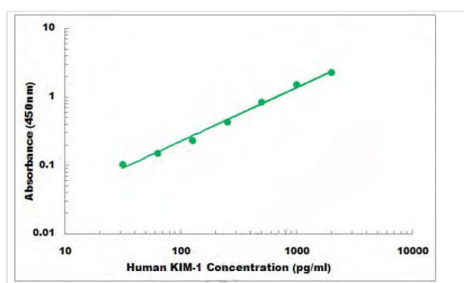
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human KIM-1 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human KIM-1 proteins within the range of 31.2 pg/ml - 2000 pg/ml.
Sequence Length	364
Samples	Cell Culture Supernatants, Cell Lysates, Serum, Plasma, Urine.
Sensitivity	2 pg/ml.
Applicable Applications for HAVCR1 elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HAVCR1 elisa kit	Principle of the Assay The Bioscience Human KIM-1 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human KIM-1 in Cell Culture Supernatants, Cell Lysates, Serum, Plasma, Urine. This assay employs an antibody specific for Human KIM-1 coated on a 96-well plate. Standards and samples are pipetted into the wells and KIM-1 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human KIM-1 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of KIM-1 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. 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. 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 synteny with the mouse Tim1 gene and database analysis, McIntire et al. (2001) mapped the HAVCR1 gene to 5q33.2.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	153085429
NCBI GeneID	26762
NCBI Accession #	NP_001092884.1
NCBI GenBank Nucleotide #	NM_001099414.1
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.