

Rat KIM1 ELISA Kit | HAVCR1 elisa kit

Rat KIM1 PicoKine ELISA Kit

CATALOG #
AAA45231

REACTIVITY
Rat

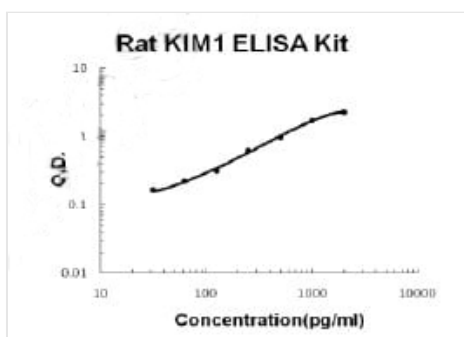
PRODUCT SYNONYMS

KIM1; Rat 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	Rat
Specificity	Natural and recombinant Rat Flrt2
Sequence Length	307
Samples	Cell Culture Supernates, Serum And Plasma (Heparin, Edta)
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	<10pg/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 accross 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: The Picokine Rat Flrt2 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Rat Flrt2 with a 96-well strip plate that is pre-coated with antibody specific for Flrt2. The detection antibody is a biotinylated antibody specific for Flrt2. The capture antibody is A monoclonal antibody from mouse, the detection antibody is a biotinylated detection polyclonal antibody from goat. The kit contains recombinant Rat Flrt2 with immunogen: Expression system for standard: NSO, Immunogen sequence: C36-T660. The kit is analytically validated with ready to use reagents. To measure Rat Flrt2, 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 substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly propotional to Rat Flrt2 in the sample. Read the density 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 Rat Flrt2 in the sample!!Background/Introduction: Fibronectin leucine-rich repeat transmembrane protein FLRT2 is a protein that in humans is encoded by the FLRT2 gene. It is mapped to 6q31. This gene encodes a member of the fibronectin leucine rich transmembrane (FLRT) family of cell adhesion molecules, which regulate early embryonic vascular and neural development. The encoded type I transmembrane protein has an extracellular region consisting of an N-terminal leucine-rich repeat domain and a type 3 fibronectin domain, followed by a transmembrane domain and a short C-terminal cytoplasmic tail domain. It functions as both a homophilic cell adhesion molecule and a heterophilic chemorepellent through its interaction with members of the uncoordinated-5 receptor family. Proteolytic removal of the extracellular region controls the migration of neurons in the developing cortex. Alternative splicing results in multiple transcript variants.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	73919879
NCBI GeneID	286934
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; TIMD-1; HAVcr-1; kidney injury molecule 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 Synonym Gene Names	Kim1; HAVcr-1; KIM-1; TIMD-1
UniProt Entry Name	HAVR1_RAT

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.