Guinea Pig Kidney Injury Molecule 1 ELISA Kit | KIM1 elisa kit

Guinea pig Kidney Injury Molecule 1 ELISA Kit

CATALOG #	REACTIVITY
AAA16324	**Guinea Pig**

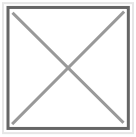
PRODUCT SYNONYMS

Kidney Injury Molecule 1; Guinea pig Kidney Injury Molecule 1 ELISA Kit; KIM1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Specificity	This assay has high sensitivity and excellent specificity for detection of KIM-1. No significant cross-reactivity or interference between KIM-1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between KIM-1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive or Sandwich
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for KIM1 elisa kit	Principle of the Assay: KIM-1 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for KIM-1. Standards or samples are then added to the microtiter plate wells and KIM-1 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of KIM-1 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for KIM-1 are added to each well to "sandwich" the KIM-1 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain KIM-1 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The KIM-1 concentration in each sample is interpolated from this standard curve. Intended Uses: This KIM-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig KIM-1. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for KIM1 elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	145904617
Molecular Weight	29,575 Da
NCBI Official Full Name	kidney injury molecule 1
UniProt Protein Name	Kidney injury molecule 1
UniProt Gene Name	**havcr1**
UniProt Synonym Gene Names	kim1; zgc:92647
UniProt Entry Name	Q6DH50_DANRE

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/kim1-guinea-pig-pig-elisa-kits/kidney-injury-molecule-1/16324