Dog Kidney Injury Molecule 1 (Kim1) ELISA Kit | Kim1 elisa kit

Dog Kidney Injury Molecule 1 (Kim1) ELISA Kit

CATALOG #	REACTIVITY
AAA188129	**Dog**

PRODUCT SYNONYMS

Kidney Injury Molecule 1 (Kim1); Dog Kidney Injury Molecule 1 (Kim1) ELISA Kit; HAVCR1; TIM1; TIMD1; HAVCR; Hepatitis A Virus Cellular Receptor 1; T Cell Immunoglobulin And Mucin Domain-Containing Protein 1; T-cell immunoglobulin mucin receptor 1; Kim1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Dog
Specificity	This assay has high sensitivity and excellent specificity for detection of Kidney Injury Molecule 1 (Kim1). No significant cross-reactivity or interference between Kidney Injury Molecule 1 (Kim1) and analogues was observed.
Sequence Length	264
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Urine, Tissue Homogenates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.059ng/mL
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Kidney Injury Molecule 1 (Kim1) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Kidney Injury Molecule 1 (Kim1) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Kim1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Kidney Injury Molecule 1 (Kim1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Kidney Injury Molecule 1 (Kim1). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Kidney Injury Molecule 1 (Kim1), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Kidney Injury Molecule 1 (Kim1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	145904617
NCBI GenBank Nucleotide #	NM_001205114.1
NCBI Official Full Name	kidney injury molecule 1

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/dog-elisa-kits/kidney-injury-molecule-1-kim1/188129