

Rat Renal Tumor Antigen (RAGE) ELISA Kit | RAGE elisa kit

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CATALOG #
AAA187279

REACTIVITY
Rat

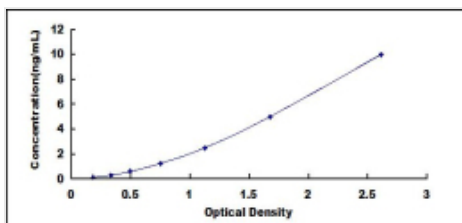
PRODUCT SYNONYMS

Renal Tumor Antigen (RAGE); Rat Renal Tumor Antigen (RAGE) ELISA Kit; MOK; RAGE1; MAPK/MAK/MRK Overlapping Kinase; RAGE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Renal Tumor Antigen (RAGE). No significant cross-reactivity or interference between Renal Tumor Antigen (RAGE) and analogues was observed.
Sequence Length	418
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.064ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Renal Tumor Antigen (RAGE) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Renal Tumor Antigen (RAGE) 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 RAGE 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 Renal Tumor Antigen (RAGE). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Renal Tumor Antigen (RAGE). 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 Renal Tumor Antigen (RAGE), 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 Renal Tumor Antigen (RAGE) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119602186
NCBI GeneID	5891
UniProt Accession #	Q9UQ07; Q92790; Q93067; B2R6Z4; B7Z7P6; E7ER76; E7ERR8
Molecular Weight	47,886 Da
NCBI Official Full Name	renal tumor antigen, isoform CRA_i
NCBI Official Synonym Full Names	MOK protein kinase
NCBI Official Symbol	MOK
NCBI Official Synonym Symbols	RAGE; RAGE1; STK30; RAGE-1
NCBI Protein Information	MAPK/MAK/MRK overlapping kinase
UniProt Protein Name	MAPK/MAK/MRK overlapping kinase
UniProt Gene Name	MOK
UniProt Synonym Gene Names	RAGE; RAGE1; RAGE-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/rat-elisa-kits/renal-tumor-antigen-rage/187279>