Renal Tumor Antigen (RAGE) ELISA Kit for Canine

PRODUCT OVERVIEW

Product Name	Renal Tumor Antigen (RAGE), ELISA Kit
Full Product Name	Canine Renal Tumor Antigen ELISA Kit
Product Gene Name	RAGE elisa kit
Species Reactivity	Canine
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	48,014 Da
OMIM	605762
3D Structure	ModBase 3D Structure for Q9UQ07
Related Product Information for RAGE elisa kit	MBS074756 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Renal Tumor Antigen (RAGE) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing RAGE. The ELISA analytical biochemical technique of the MBS074756 kit is based on RAGE antibody-RAGE antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect RAGE antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, RAGE. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of RAGE elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RAGE. It may not necessarily be applicable to this product.

NCBI GI #	119602186
NCBI GeneID	5891
NCBI Accession #	EAW81780.1
UniProt Primary Accession #	Q9UQ07
UniProt Secondary Accession #	Q92790; Q93067; B2R6Z4; B7Z7P6; E7ER76; E7ERR8
UniProt Related Accession #	Q9UQ07
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
UniProt Protein Name	MAPK/MAK/MRK overlapping kinase
UniProt Synonym Protein Names	MOK protein kinase; Renal tumor antigen 1
Protein Family	MAPK/MAK/MRK overlapping kinase
UniProt Gene Name	MOK

UniProt Synonym Gene Names	RAGE; RAGE1; RAGE-1
UniProt Entry Name	MOK_HUMAN
NCBI Protein Information	MAPK/MAK/MRK overlapping kinase; renal tumor antigen 1; renal cell carcinoma antigen
NCBI Summary for RAGE	This gene belongs to the MAP kinase superfamily. The gene was found to be regulated by caudal type transcription factor 2 (Cdx2) protein. The encoded protein, which is localized to epithelial cells in the intestinal crypt, may play a role in growth arrest and differentiation of cells of upper crypt and lower villus regions. Multiple alternatively spliced transcript variants encoding different isoforms have been observed for this gene. [provided by RefSeq, Dec 2012]
UniProt Comments for RAGE	MOK: a CMGC protein kinase of the RCK family. Possesses a Thr-Glu-Tyr motif in the activation loop domain, as do classical MAP kinases. Associates with and is apparently stabilized by HSP90. Protein type: Protein kinase, CMGC; Protein kinase, Ser/Thr (non-receptor); EC 2.7.11.22; Kinase, protein; CMGC group; RCK family Chromosomal Location of Human Ortholog: 14q32 Cellular Component: cytoplasm Molecular Function: protein serine/threonine kinase activity; cyclin-dependent protein kinase activity; ATP binding; protein kinase activity Biological Process: regulation of cell cycle; signal transduction; protein amino acid phosphorylation
Research Articles on RAGE	**1.** Our results suggest that RAGE may be important in tumor invasion and could be a potential predictor for the prognosis of hepatocellular carcinoma patients.
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