

Rat Receptor for advanced glycation end products ELISA Kit | RAGE elisa kit

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CATALOG #
AAA87294

REACTIVITY
Rat

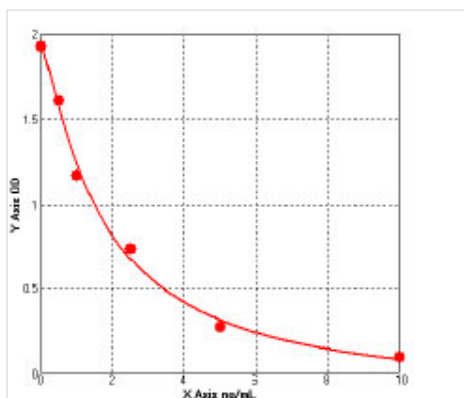
PRODUCT SYNONYMS

Receptor for advanced glycation end products; Rat Receptor for advanced glycation end products ELISA Kit; RAGE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of RAGE. No significant cross-reactivity or interference between RAGE and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between RAGE and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RAGE elisa kit	Intended Uses: This RAGE ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat RAGE. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: RAGE ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-RAGE antibody and an RAGE-HRP conjugate. The assay sample and buffer are incubated together with RAGE-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the RAGE concentration since RAGE from samples and RAGE-HRP conjugate compete for the anti-RAGE antibody binding site. Since the number of sites is limited, as more sites are occupied by RAGE from the sample, fewer sites are left to bind RAGE-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The RAGE concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4877291
NCBI GeneID	177
UniProt Accession #	Q15109; Q15279; Q3L1R4; Q3L1R5; Q3L1R6; Q3L1R7; Q3L1R8; Q3L1S0; A2BFI7; A6NKF0; A7Y2U9; B0V176
Molecular Weight	41,098 Da
NCBI Official Full Name	receptor for Advanced Glycation End Products
NCBI Official Synonym Full Names	advanced glycosylation end product-specific receptor
NCBI Official Symbol	AGER
NCBI Official Synonym Symbols	RAGE
NCBI Protein Information	advanced glycosylation end product-specific receptor; RAGE isoform sRAGE-delta; RAGE isoform NtRAGE-delta; receptor for advanced glycation end-products variant 20
UniProt Protein Name	Advanced glycosylation end product-specific receptor
UniProt Gene Name	AGER
UniProt Synonym Gene Names	RAGE
UniProt Entry Name	RAGE_HUMAN

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/rage-rat-elisa-kits/receptor-for-advanced-glycation-end-products/87294>