

Mouse Receptor For Advanced Glycation Endproducts (RAGE) CLIA Kit | RAGE clia kit

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CATALOG # AAA188961	REACTIVITY Mouse	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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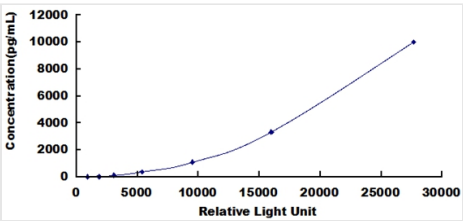
PRODUCT SYNONYMS

Receptor For Advanced Glycation Endproducts (RAGE); Mouse Receptor For Advanced Glycation Endproducts (RAGE) CLIA Kit; Receptor For Advanced Glycation Endproducts; AGER; RAGE clia kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Receptor For Advanced Glycation Endproducts (RAGE). No significant cross-reactivity or interference between Receptor For Advanced Glycation Endproducts (RAGE) and analogues was observed.
Sequence Length	334
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	13.7-10,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 4.4pg/mL
Applicable Applications for RAGE clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Receptor For Advanced Glycation Endproducts (RAGE) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Receptor For Advanced Glycation Endproducts (RAGE) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: $CV < 10\%$ Inter-Assay: $CV < 12\%$
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to Receptor For Advanced Glycation Endproducts (RAGE). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Receptor For Advanced Glycation Endproducts (RAGE). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Receptor For Advanced Glycation Endproducts (RAGE) level in the sample or standard.
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	84570471
NCBI GeneID	11596
UniProt Accession #	Q62151
NCBI Official Full Name	endogenous secretory receptor for advanced glycation endproducts
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
UniProt Protein Name	Advanced glycosylation end product-specific receptor
UniProt Gene Name	Ager
UniProt Synonym Gene Names	Rage
UniProt Entry Name	RAGE_MOUSE

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/mouse-clia-kits/receptor-for-advanced-glycation-endproducts-rage/188961>