

Mouse Advanced Glycosylation End Product Specific Receptor (AGER) ELISA Kit | AGER elisa kit

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CATALOG # AAA65309	REACTIVITY Mouse
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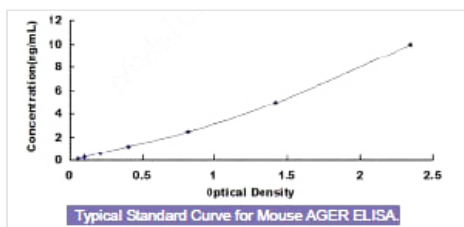
PRODUCT SYNONYMS

Advanced Glycosylation End Product Specific Receptor (AGER); Mouse Advanced Glycosylation End Product Specific Receptor (AGER) ELISA Kit; RAGE; Receptor For Advanced Glycation Endproducts; AGER elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of AGER. No significant cross-reactivity or interference between AGER and analogues was observed.
Sequence Length	393
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.058ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level AGER were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level AGER were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AGER elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of AGER in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to AGER. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to AGER. 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 AGER, 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 AGER 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 #	406855404
NCBI GeneID	11596
NCBI Accession #	NP_001258351.1
NCBI GenBank Nucleotide #	NM_001271422.1
UniProt Accession #	Q62151; C5H3H4; C5H3H5; C5H3H7; C5H3I0; C5H7W3; C5H7W4; C5H7W5; C5H7W6; C5H7W7; C5H7W8; C5H7W9
Molecular Weight	3,036 Da
NCBI Official Full Name	advanced glycosylation end product-specific receptor isoform b
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

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-elisa-kits/advanced-glycosylation-end-product-specific-receptor-ager/65309>