

## Rat advanced glycosylation end product-specific receptor ELISA Kit | AGER elisa kit

Rat Advanced glycosylation end product-specific receptor, AGER ELISA Kit

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| CATALOG #<br><b>AAA112666</b> | REACTIVITY<br><b>Rat</b> |
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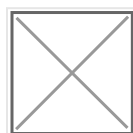
### PRODUCT SYNONYMS

advanced glycosylation end product-specific receptor; Rat Advanced glycosylation end product-specific receptor; AGER ELISA Kit; Rat Advanced glycosylation end product-specific receptor (AGER) ELISA kit; DAMA-358M23.4; MGC22357; RAGE; receptor for advanced glycosylation end-products; AGER elisa kit

### PRODUCT SPECIFICATIONS

|                              |                                                                                                                                                                                                                                                                                                                           |
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| Reactivity                   | Rat                                                                                                                                                                                                                                                                                                                       |
| Specificity                  | This assay has high sensitivity and excellent specificity for detection of Rat AGER. No significant cross-reactivity or interference between Rat AGER and analogues was observed.                                                                                                                                         |
| Sequence Length              | 402                                                                                                                                                                                                                                                                                                                       |
| Samples                      | Serum, plasma, tissue homogenates                                                                                                                                                                                                                                                                                         |
| Assay Type                   | Sandwich                                                                                                                                                                                                                                                                                                                  |
| Detection Range              | 28 pg/ml-1800 pg/ml                                                                                                                                                                                                                                                                                                       |
| Sensitivity                  | 7 pg/ml                                                                                                                                                                                                                                                                                                                   |
| Intra-assay Precision        | Intra-assay Precision (Precision within an assay): CV% is less than 8%<br>Three samples of known concentration were tested twenty times on one plate to assess.<br>Inter-assay Precision (Precision between assays): CV% is less than 10%<br>Three samples of known concentration were tested in twenty assays to assess. |
| Detection Wavelength         | 450 nm                                                                                                                                                                                                                                                                                                                    |
| Sample Volume                | 50-100ul                                                                                                                                                                                                                                                                                                                  |
| Protein Biological Process 1 | Immunity                                                                                                                                                                                                                                                                                                                  |
| Protein Biological Process 3 | Inflammatory response                                                                                                                                                                                                                                                                                                     |
| Preparation and Storage      | Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.                                                                                                                                                                                         |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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| Related Product Information for AGER elisa kit | <b>Principle of the Assay:</b> This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for AGER has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any AGER present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for AGER is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of AGER bound in the initial step. The color development is stopped and the intensity of the color is measured. |
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NCBI AND UNIPROT INFORMATION

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|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 2497319                                                                                                                                                                                                                                                                                                                                                                |
| NCBI GeneID                      | 81722                                                                                                                                                                                                                                                                                                                                                                  |
| UniProt Accession #              | Q63495                                                                                                                                                                                                                                                                                                                                                                 |
| Molecular Weight                 | 42,664 Da                                                                                                                                                                                                                                                                                                                                                              |
| NCBI Official Full Name          | Advanced glycosylation end product-specific receptor                                                                                                                                                                                                                                                                                                                   |
| 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; receptor for advanced glycosylation end products; advanced glycosylation end product-specific receptor variant 2; advanced glycosylation end product-specific receptor variant 3; advanced glycosylation end product-specific receptor variant 4; advanced glycosylation end product-specific receptor variant 5 |
| UniProt Protein Name             | Advanced glycosylation end product-specific receptor                                                                                                                                                                                                                                                                                                                   |
| UniProt Gene Name                | Ager                                                                                                                                                                                                                                                                                                                                                                   |
| UniProt Synonym Gene Names       | Rage                                                                                                                                                                                                                                                                                                                                                                   |
| UniProt Entry Name               | RAGE_RAT                                                                                                                                                                                                                                                                                                                                                               |

**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](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/ager-rat-elisa-kits/advanced-glycosylation-end-product-specific-receptor/112666>