

## Mouse RAGE ELISA Kit | AGER elisa kit

Mouse RAGE PicoKine ELISA Kit

CATALOG #  
**AAA45799**

REACTIVITY  
**Mouse**

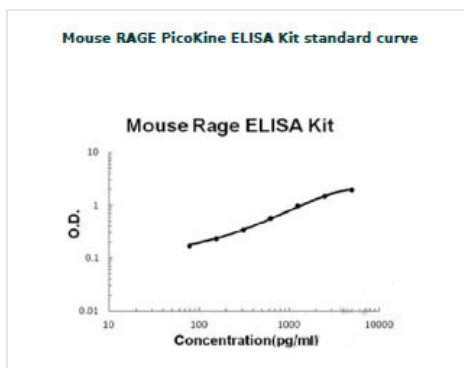
### PRODUCT SYNONYMS

RAGE; Mouse RAGE PicoKine ELISA Kit; Advanced glycosylation end product-specific receptor; advanced glycosylation end product-specific receptor; Advanced glycosylation end product specific receptor; Ager; DAMA 358M23.4; LE 9211 A antigen ; MAPK MAK MRK overlapping kinase ; MGC22357; MOK; OTTHUMP00000174885; RAGE 1; RAGE\_HUMAN; RAGE1; Receptor for advanced glycation end products; Receptor for advanced glycosylation end products; Renal tumor antigen ; Renal tumor antigen 1; AGER elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                 |
| Specificity             | Natural and recombinant Mouse Ager                                                                                                                    |
| Sequence Length         | 403                                                                                                                                                   |
| Samples                 | Cell culture supernatants, cell lysates, serum and plasma (heparin, edta)                                                                             |
| Detection Range         | 78 pg/ml - 5,000 pg/ml                                                                                                                                |
| Sensitivity             | <10 pg/ml                                                                                                                                             |
| Intra-assay Precision   | Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.     |
| Inter-assay Precision   | Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision. |
| Preparation and Storage | Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)                            |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| Related Product Information for AGER elisa kit | <p>Principle of the Assay: The Picokine™ Mouse Ager Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Mouse Ager with a 96-well strip plate that is pre-coated with antibody specific for Ager. The detection antibody is a biotinylated antibody specific for Ager. The capture antibody is monoclonal antibody from rat and the detection antibody is polyclonal antibody from goat. The kit contains recombinant Mouse Ager with immunogen: Expression system for standard: NS0; Immunogen sequence: Q24-A342. The kit is analytically validated with ready-to-use reagents. To measure Mouse Ager, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Mouse Ager in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Ager in the sample.</p> <p>Background/Introduction: RAGE, the Receptor for Advanced Glycation Endproducts, is a 35kD transmembrane receptor of the immunoglobulin super family. It is also known as "AGER". AGER gene is mapped to chromosome 6p21.3 by mapping by contiguous cosmids and YAC clones and by fluorescence in situ hybridization. The expression of RAGE is particularly increased in neurons close to deposits of amyloid beta peptide and to neurofibrillary tangles. RAGE has been linked to several chronic diseases, which are thought to result from vascular damage. The pathogenesis is hypothesized to include ligand binding upon which RAGE signals activation of the nuclear factor kappa B (NF-kappaB).</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                           |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 2497318                                                                                                                                                                                                   |
| NCBI GeneID                      | 11596                                                                                                                                                                                                     |
| UniProt Accession #              | Q62151                                                                                                                                                                                                    |
| Molecular Weight                 | 42,669 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; advanced glycation end-products receptor; receptor for advanced glycosylation end products; 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_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.