



# Rat Advanced glycosylation end product-specific receptor(AGER) ELISA kit

|                                     |                                                                                                          |
|-------------------------------------|----------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>                 | CSB-EL001441RA                                                                                           |
| <b>Abbreviation</b>                 | AGER                                                                                                     |
| <b>Protein Biological Process 1</b> | Immunity                                                                                                 |
| <b>Target Name</b>                  | advanced glycosylation end product-specific receptor                                                     |
| <b>Uniprot No.</b>                  | Q63495                                                                                                   |
| <b>Alias</b>                        | DAMA-358M23.4, MGC22357, RAGE, receptor for advanced glycosylation end-products                          |
| <b>Product Type</b>                 | ELISA Kit                                                                                                |
| <b>Immunogen Species</b>            | Rattus norvegicus (Rat)                                                                                  |
| <b>Protein Biological Process 3</b> | Inflammatory response                                                                                    |
| <b>Sample Types</b>                 | serum, plasma,tissue homogenates                                                                         |
| <b>Detection Range</b>              | 31.25 pg/mL-2000 pg/mL                                                                                   |
| <b>Sensitivity</b>                  | 7.81 pg/mL                                                                                               |
| <b>Assay Time</b>                   | 1-5h                                                                                                     |
| <b>Sample Volume</b>                | 50-100ul                                                                                                 |
| <b>Detection Wavelength</b>         | 450 nm                                                                                                   |
| <b>Lead Time</b>                    | 3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx. |
| <b>Research Area</b>                | Immunology                                                                                               |
| <b>Gene Names</b>                   | Ager                                                                                                     |
| <b>Tag Info</b>                     | quantitative                                                                                             |
| <b>Protein Description</b>          | Sandwich                                                                                                 |

## Description

This Rat Advanced glycosylation end product-specific receptor (AGER) ELISA kit is a powerful tool for researchers in the field of immunology. It allows for the accurate and reliable quantification of Rat AGER levels in serum, plasma, and tissue homogenates.

It is designed for quick and easy detection of AGER in Rat samples, and has a wide detection range of 31.25 pg/mL to 2000 pg/mL, with a sensitivity of 7.81 pg/mL. The assay time is only 1-5 hours, and the sample volume required is just 50-100ul, making it an ideal choice for high-throughput screening.



The kit uses a sandwich assay principle for quantitative measurement of Rat AGER levels, and it can be read using a standard 450 nm wavelength detector. The kit can be used in a research setting and is suitable for a variety of applications within the field of immunology. By accurately measuring AGER levels, researchers can gain valuable insights into the role of this protein in immune system function and disease.

#### Target Details

This gene encodes a member of the immunoglobulin superfamily of cell surface molecules. It is a receptor for various molecules, including the amyloidogenic form of serum amyloid A, amyloid-beta protein, members of the S100/calgranulin superfamily and advanced glycation end products. The gene lies within the major histocompatibility complex (MHC) class III region on chromosome 6. Alternative splicing results in two transcript variants encoding different isoforms.

#### Product Precision

#### Linearity

#### Recovery

#### Typical

#### Msds

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