

Human RAGE ELISA Kit | RAGE elisa kit

RAGE Human ELISA Kit

CATALOG # AAA13492	REACTIVITY Human	APPLICATIONS ELISA
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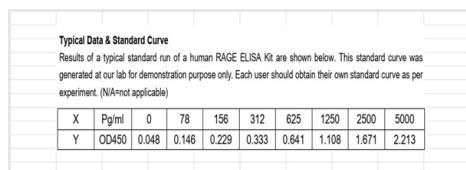
PRODUCT SYNONYMS

RAGE; RAGE Human ELISA Kit; Human RAGE; RAGE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Samples	Human serum, plasma, body fluids, tissue lysates or cell culture supernatants
Detection Range	78 pg/ml-5000 pg/ml
Sensitivity	< 2 pg/ml
Applicable Applications for RAGE elisa kit	ELISA
Application Notes	For quantitative detection of RAGE in human serum, plasma, urine, cell culture supernatant or tissue samples.
Preparation and Storage	Store at 2-8 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RAGE elisa kit

Background: RAGE, the Receptor for Advanced Glycation Endproducts, also called AGER, is a 35kD transmembrane receptor of the immunoglobulin super family which was first characterized in 1992 by Neeper et al. It is an important receptor for the amyloid beta peptide and that expression of this receptor increases in Alzheimer disease. Isoforms of the RAGE protein, which lack the transmembrane and the signaling domain (commonly referred to as soluble RAGE or sRAGE) are hypothesized to counteract the detrimental action of the full-length receptor and are hoped to provide a means to develop a cure against RAGE-associated diseases. RAGE has been linked to several chronic diseases, which are thought to result from vascular damage.

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-RAGE polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-RAGE polyclonal antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the RAGE amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of RAGE can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4034483
NCBI Official Full Name	RAGE protein

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/human-elisa-kits/rage/13492>