

Human Rage ELISA Kit | AGER elisa kit

Human Rage PicoKine ELISA Kit

CATALOG #
AAA45332

REACTIVITY
Human

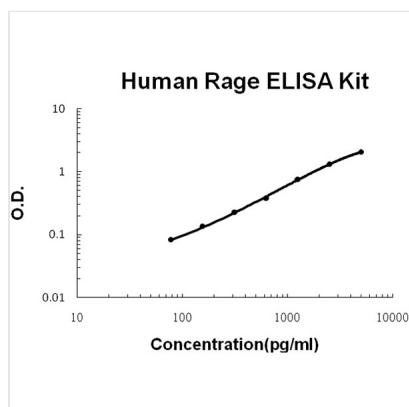
PRODUCT SYNONYMS

Rage; Human 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	Human
Specificity	Natural and recombinant human Rage
Sequence Length	435
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	78pg/ml-5,000pg/ml
Sensitivity	< 10pg/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 between 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)

Human Rage PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for AGER elisa kit	Principle of the assay: human Rage ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Rage has been precoated onto 96-well plates. Standards(NSO, Q24-A344) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Rage is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was 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 human Rage amount of sample captured in plate. Background: 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).
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NCBI AND UNIPROT INFORMATION

NCBI GeneID	177
UniProt Accession #	B4DNX3; Q15109
Molecular Weight	45,980 Da
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; RAGE isoform sRAGE-delta; RAGE isoform NtRAGE-delta; receptor for advanced glycation end-products variant 20
UniProt Protein Name	cDNA FLJ56412, highly similar to Advanced glycosylation end product-specific receptor
UniProt Entry Name	B4DNX3_HUMAN

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.