

[Go to Product page](#)

Datasheet for ABIN6719817

RAGE ELISA Kit

Overview

Quantity:	1 kit
Target:	RAGE (AGER)
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	78 pg/mL - 5000 pg/mL
Minimum Detection Limit:	78 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: 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 isoform NtRAGE-delta, RAGE isoform sRAGE-delta, RAGE_HUMAN, RAGE1, Receptor for advanced glycation end products, receptor for advanced glycation end-products variant 20, Receptor for advanced glycosylation end products, Renal tumor antigen, Renal tumor antigen 1</p> <p>Background: RAGE, the Receptor for Advanced Glycation Endproducts, is a 35kD transmembrane receptor of the immunoglobulin super family. It is also known as "AGER".</p>

Product Details

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).

Gene Name: AGER

Production: Natural and recombinant mouse RAGE. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: Q24-A342

Target Details

Target:	RAGE (AGER)
Alternative Name:	RAGE (AGER Products)
Gene ID:	11596
NCBI Accession:	NP_001258351
UniProt:	Q62151
Pathways:	Carbohydrate Homeostasis , Toll-Like Receptors Cascades , Smooth Muscle Cell Migration , S100 Proteins

Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL, 78pg/mL mouse RAGE standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of mouse cell culture supernatants, serum or plasma(heparin, EDTA) to each empty well. We recommend that each mouse RAGE standard solution and each sample is measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 78pg/mL-5000pg/mL</p>
Sample Volume:	100 µL
Plate:	Pre-coated

Application Details

Restrictions: For Research Use only

Handling

Storage: RT, 4 °C, -20 °C

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.