

Product Datasheet

Rat Advanced Glycation End Product (AGE) ELISA Kit (orb1736556)

Catalog Number	orb1736556
Category	Assays and Kits
Description	<p>This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Rat AGE protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat AGE. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of $450\text{nm} \pm 10\text{nm}$. The concentration of Rat AGE in the samples is then determined by comparing the OD of the samples to the standard curve.</p>
Reactivity	Rat
Concentration	8000 ng/mL
Application notes	<p>standard: 8000 ng/mL. Test principle: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Rat AGE protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat AGE. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of $450\text{nm} \pm 10\text{nm}$. The concentration of Rat AGE in the samples is then determined by comparing the OD of the samples to the standard curve</p>
Assay Type	Competitive
Assay Time	2h

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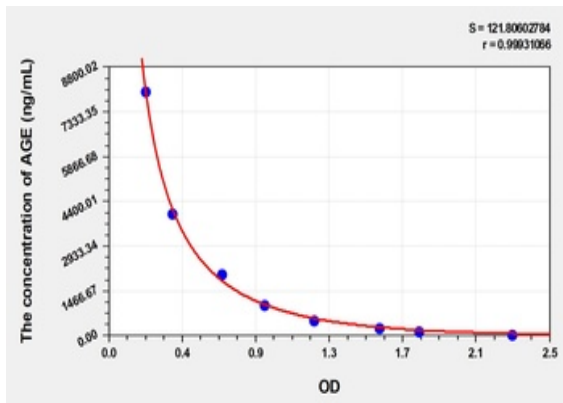
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Range	125-8000 ng/mL
Sensitivity	38 ng/mL
Sample Types	serum, plasma and other biological fluids
Note	For research use only
Expiration Date	6 months from date of receipt.

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