Product Datasheet

Guinea pig Angiotensin II Receptor 1 (AGTR1) ELISA Kit (orb1146783)

Description	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Angiotensin II Receptor 1(AGTR1). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Angiotensin II Receptor 1(AGTR1). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Angiotensin II Receptor 1(AGTR1), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Angiotensin II Receptor 1(AGTR1) in the samples is then determined by comparing the OD of the samples to the standard curve.
Reactivity	Guinea pig
Range	0.16-10 ng/mL
Concentration	10 ng/mL
Note	For research use only
Application notes	standard: 10 ng/mL. Test principle: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Guinea pig AGTR1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Guinea pig AGTR1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Guinea pig AGTR1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Guinea pig AGTR1 in the samples is then determined by comparing the OD of the samples to the standard curve

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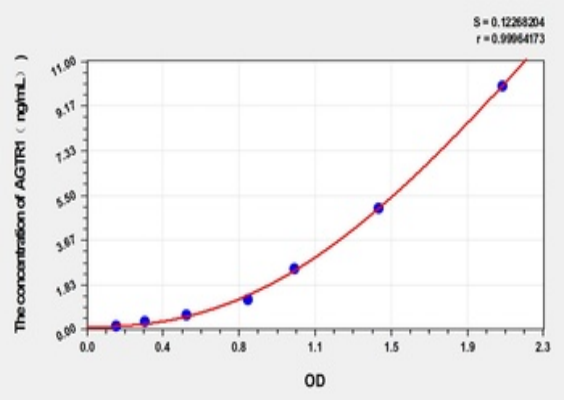
Sample Types	Tissue homogenates and other biological fluids.
Assay Time	3.5h
Uniprot ID	**Q9WV26**
Sensitivity	0.051 ng/mL
Expiration Date	Please enquire.



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