Product Datasheet

Rat Tachykinin Receptor 1 (TACR1) ELISA Kit (orb1146839)

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 Tachykinin Receptor 1(TACR1). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Tachykinin Receptor 1(TACR1). 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 Tachykinin Receptor 1(TACR1), 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 Tachykinin Receptor 1(TACR1) in the samples is then determined by comparing the OD of the samples to the standard curve.
Reactivity	Rat
Range	0.32-20 ng/mL
Concentration	20 ng/mL
Note	For research use only
Application notes	standard: 20 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 Rat TACR1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat TACR1. 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 Rat TACR1, 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 Rat TACR1 in the samples is then determined by comparing the OD of the samples to the standard curve

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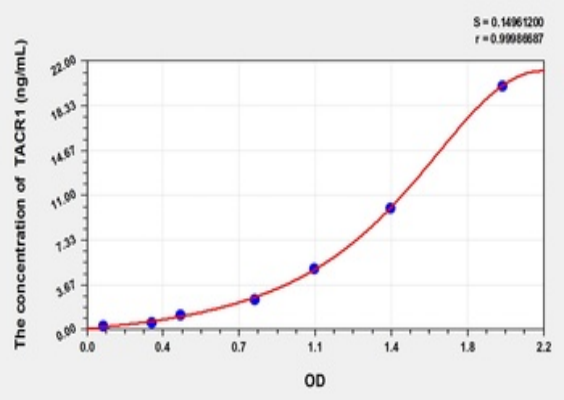
Sample Types	Tissue homogenates, cell lysates and other biological fluids
Assay Time	3.5h
Uniprot ID	**P14600**
Sensitivity	0.122ng/mL
Expiration Date	Please enquire.



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