Product Datasheet

Rat Kynurenic Acid (KYNA) ELISA Kit (orb1173587)

Catalog Number	orb1173587
Category	Assays and Kits
Description	This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Kynurenic Acid(KYNA) protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Kynurenic Acid(KYNA). 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 450nm ± 10nm. The concentration of Kynurenic Acid(KYNA) in the samples is then determined by comparing the OD of the samples to the standard curve.
Reactivity	Rat
Concentration	2000 ng/mL
Tested applications	ELISA
Application notes	standard: 2000 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 KYNA protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat KYNA. 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 450nm ± 10nm. The concentration of Rat KYNA in the samples is then determined by comparing the OD of the samples to the standard curve
Assay Type	Competitive

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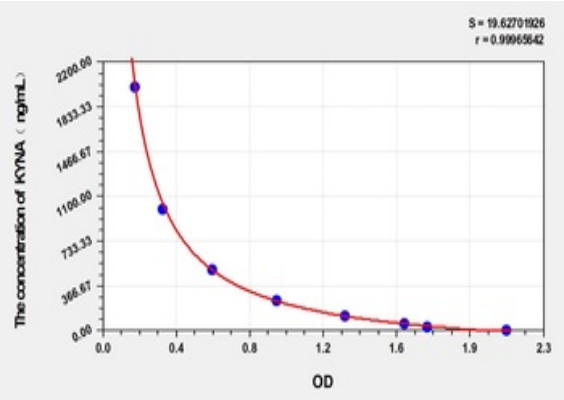
Assay Time	2h
Range	31.25-2000 ng/mL
Sensitivity	9.35 ng/mL
Sample Types	serum, plasma and other biological fluids
Note	For research use only
Expiration Date	Please enquire.



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