

Product Datasheet

Rat Cyclin Dependent Kinase 5 (CDK5) ELISA Kit (orb778283)

Catalog Number	orb778283
Category	Assays and Kits
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 Cyclin Dependent Kinase 5(CDK5).
Reactivity	Rat
Concentration	10 ng/mL
UniProt ID	Q03114
Tested applications	ELISA
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 Rat CDK5. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat CDK5. 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 CDK5, 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 CDK5 in the samples is then determined by comparing the OD of the samples to the standard curve
Assay Type	Sandwich
Assay Time	3.5h

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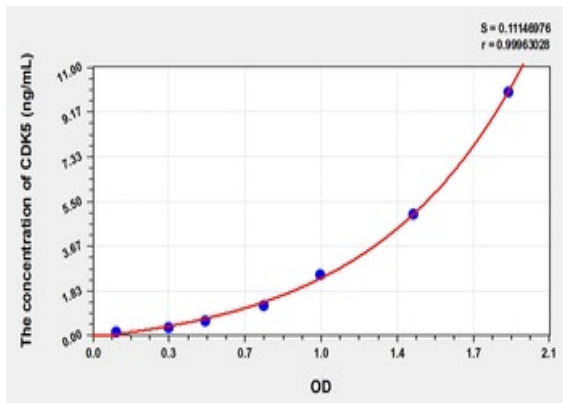
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Range	0.16-10 ng/mL
Sensitivity	0.052 ng/mL
Sample Types	Tissue homogenates, cell lysates and other biological fluids
Note	For research use only
Expiration Date	Please enquire.

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