

Product Datasheet

Human Protein Kinase, cGMP Dependent Type II (PRKG2) ELISA Kit (orb778901)

Catalog Number	orb778901
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 Protein Kinase, cGMP Dependent Type II(PRKG2).
Reactivity	Human
Concentration	20 ng/mL
UniProt ID	Q13237
Tested applications	ELISA
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 Human PRKG2. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human PRKG2. 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 Human PRKG2, 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 \pm 10nm. The concentration of Human PRKG2 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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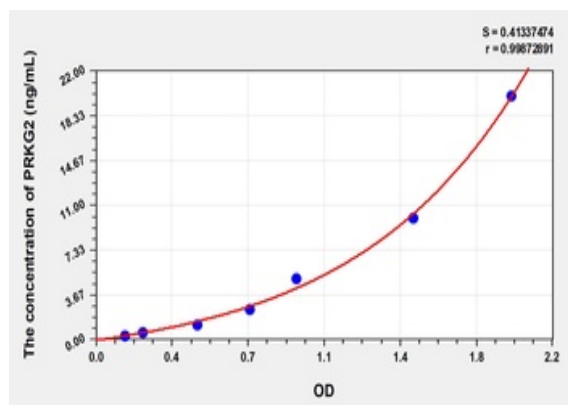
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Range	0.32-20 ng/mL
Sensitivity	0.113 ng/mL
Sample Types	tissue homogenates, cell lysates and other biological fluids
Note	For research use only
Expiration Date	Please enquire.

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