

Product Datasheet

Rat Pyruvate Dehydrogenase Kinase Isozyme 1 (PDK1) ELISA Kit (orb780954)

Catalog Number	orb780954
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 Pyruvate Dehydrogenase Kinase Isozyme 1(PDK1).
Reactivity	Rat
Concentration	100 ng/mL
UniProt ID	Q63065
Tested applications	ELISA
Application notes	standard: 100 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 PDK1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat PDK1. 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 PDK1, 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 PDK1 in the samples is then determined by comparing the OD of the samples to the standard curve
Assay Type	Sandwich
Assay Time	3.5h

Biorbyt Ltd.

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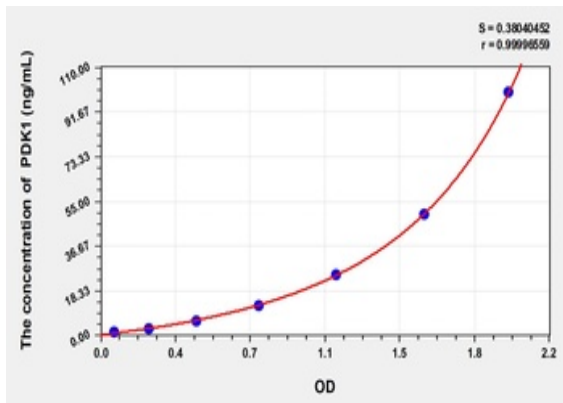
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Range	1.57-100 ng/mL
Sensitivity	0.61 ng/mL
Sample Types	Serum, plasma, tissue homogenates and other biological fluids.
Note	For research use only
Expiration Date	Please enquire.

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