

Product Datasheet

Rat Carnitine Palmitoyltransferase 1A, Liver (CPT1A) ELISA Kit (orb780867)

Catalog Number	orb780867
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 Carnitine Palmitoyltransferase 1A, Liver(CPT1A).
Reactivity	Rat
Concentration	200 ng/mL
UniProt ID	P32198
Tested applications	ELISA
Application notes	standard: 200 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 CPT1A. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat CPT1A. 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 CPT1A, 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 Rat CPT1A in the samples is then determined by comparing the OD of the samples to the standard curve
Assay Type	Sandwich
Assay Time	3.5h
Range	3.13-200 ng/mL

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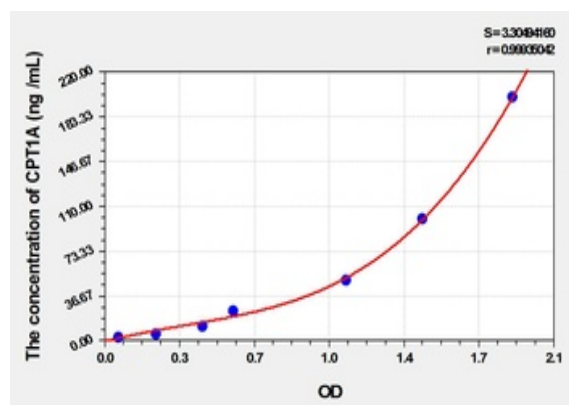
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Sensitivity 1.23 ng/mL

Sample Types serum, plasma, tissue homogenates and other biological fluids

Note For research use only

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