

Product Datasheet

Rat Prostate Specific Antigen (PSA) ELISA Kit (orb1806902)

Catalog Number orb1806902

Category Assays and Kits

Description Rat Prostate Specific Antigen (PSA) ELISA Kit

Target PSA

Reactivity Rat

Application notes This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Rat PSA. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Rat PSA and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Rat PSA, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of $450 \text{ nm} \pm 2 \text{ nm}$. The OD value is proportional to the concentration of Rat PSA. You can calculate the concentration of Rat PSA in the samples by comparing the OD of the samples to the standard curve.

Assay Type Sandwich

Assay Time 3.5H

Standard 10ng/mL

Range 0.16-10ng/mL

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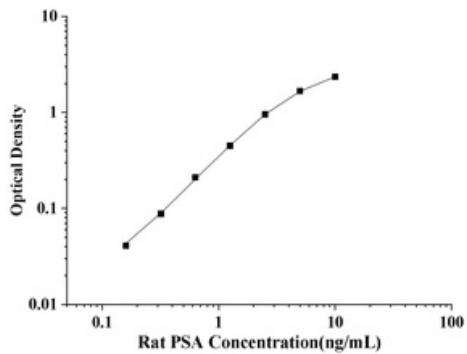
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Sensitivity	0.10 ng/mL
Sample Types	serum, plasma, Tissue homogenate and Other biological samples
Note	For research use only
Expiration Date	6 months from date of receipt.



Standard curve for orb1806902 ELISA kit.

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