

## Product Datasheet

# Human PSA(ProstateSpecific Antigen) Microsample ELISA Kit (orb2997268)

<b>Catalog Number</b>	orb2997268
<b>Category</b>	Assays and Kits
<b>Description</b>	Human PSA(ProstateSpecific Antigen) Microsample ELISA Kit
<b>Reactivity</b>	Human
<b>UniProt ID</b>	<b>P07288</b>
<b>Application notes</b>	<p>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 PSA. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human PSA. 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 PSA, 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 <math>\pm</math> 10nm. The concentration of Human PSA in the samples is then determined by comparing the OD of the samples to the standard curve.</p>
<b>Assay Type</b>	Sandwich
<b>Assay Time</b>	3.5h
<b>Range</b>	0.16-10 ng/mL
<b>Sensitivity</b>	0.096 ng/mL
<b>Sample Types</b>	serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids

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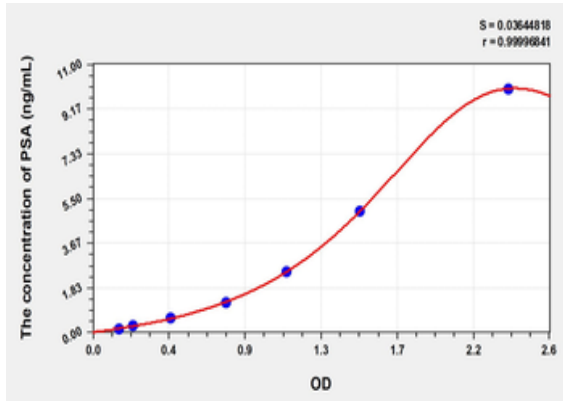
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**Note** For research use only

**Expiration Date** 6 months from date of receipt.



Standard curve for orb2997268 ELISA kit.

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