

## Product Datasheet

# Human Prostate Specific Antigen (PSA) EasyStep ELISA Kit (orb1817398)

<b>Catalog Number</b>	orb1817398
<b>Category</b>	Assays and Kits
<b>Description</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, and the Human PSA standard plate wells that pre-coated using protein-related techniques are provided separately. Standard/Sample Diluent Buffer or samples are added to the appropriate microtiter plate wells ,then added a HRP-conjugated antibody specific to Human PSA. After TMB substrate solution is added, only those wells that contain Human PSA and HRP-conjugated antibody 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>Reactivity</b>	Human
<b>Concentration</b>	20 ng/mL
<b>Application notes</b>	<p>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 PSA, and the Human PSA standard plate wells that pre-coated using protein-related techniques are provided separately. Standard/Sample Diluent Buffer or samples are added to the appropriate microtiter plate wells ,then added a HRP-conjugated antibody specific to Human PSA. After TMB substrate solution is added, only those wells that contain Human PSA and HRP-conjugated antibody 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>

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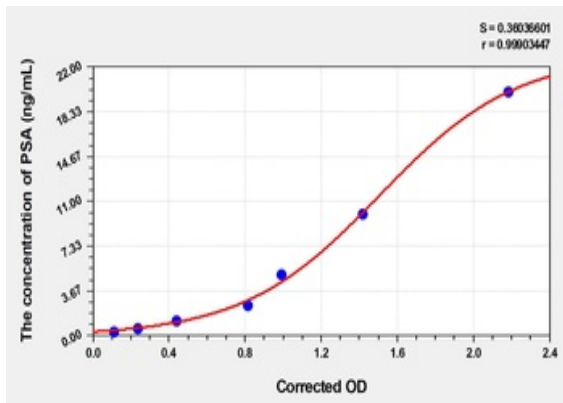
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<b>Assay Type</b>	Sandwich
<b>Assay Time</b>	1.5h
<b>Range</b>	0.32-20 ng/mL
<b>Sensitivity</b>	80 pg/mL
<b>Sample Types</b>	Serum, plasma
<b>Note</b>	For research use only
<b>Expiration Date</b>	6 months from date of receipt.



Standard curve for orb1817398 ELISA kit.

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