

## Product Datasheet

# Human Prostate Specific membrane Antigen (PSMA) EasyStep ELISA Kit (orb1950024)

<b>Catalog Number</b>	orb1950024
<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 PSMA, and the Human PSMA standard plate wells that pre-coated using protein-related techniques are provided separately.</p> <p>Standard/Sample Diluent Buffer or samples are added to the appropriate microtiter plate wells ,then added a HRP-conjugated antibody specific to Human PSMA. After TMB substrate solution is added, only those wells that contain Human PSMA 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 PSMA 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>	40 ng/mL
<b>UniProt ID</b>	<b>Q04609</b>

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**Application notes**

standard: 40 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 PSMA, and the Human PSMA 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 PSMA. After TMB substrate solution is added, only those wells that contain Human PSMA 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  $450\text{nm} \pm 10\text{nm}$ . The concentration of Human PSMA in the samples is then determined by comparing the OD of the samples to the standard curve

**Assay Type**

Sandwich

**Assay Time**

1.5h

**Range**

0.63-40 ng/mL

**Sensitivity**

0.165 ng/mL

**Sample Types**

Serum, plasma

**Note**

For research use only

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