

## Product Datasheet

# Human Protein Phosphatase 1, Regulatory Subunit 16B (PPP1R16B) ELISA Kit (orb1736491)

### 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 Human PPP1R16B. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human PPP1R16B. 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 PPP1R16B, 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  $450\text{nm} \pm 10\text{nm}$ . The concentration of Human PPP1R16B in the samples is then determined by comparing the OD of the samples to the standard curve.

### Reactivity

Human

### Range

0.16-10 ng/mL

### Concentration

10 ng/mL

### Note

For research use only

### Application notes

standard: 10 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 PPP1R16B. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human PPP1R16B. 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 PPP1R16B, 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  $450\text{nm} \pm 10\text{nm}$ . The concentration of Human PPP1R16B in the samples is then determined by comparing the OD of the samples to the standard curve

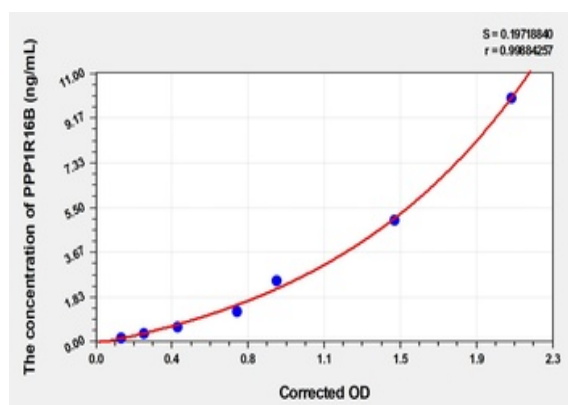
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<b>Sample Types</b>	Tissue homogenates, cell lysates and other biological fluids
<b>Assay Time</b>	3.5h
<b>Uniprot ID</b>	<b>Q96T49</b>
<b>Sensitivity</b>	0.054 ng/mL
<b>Expiration Date</b>	Please enquire.

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