

## Product Datasheet

# Mouse Deoxypyridinoline (DPD) ELISA Kit (orb1146725)

**Catalog Number** orb1146725

**Category** Assays and Kits

**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 Deoxypyridinoline(DPD). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Deoxypyridinoline(DPD). 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 Deoxypyridinoline(DPD), 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 Deoxypyridinoline(DPD) in the samples is then determined by comparing the OD of the samples to the standard curve.

**Reactivity** Mouse

**Concentration** 200 ng/mL

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### Application notes

standard: 200 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 Mouse DPD. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse DPD. 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 Mouse DPD, 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 ± 10nm. The concentration of Mouse DPD in the samples is then determined by comparing the OD of the samples to the standard curve

### Assay Type

Sandwich

### Assay Time

3.5h

### Range

3.13-200 ng/mL

### Sensitivity

1.15 ng/mL

### Sample Types

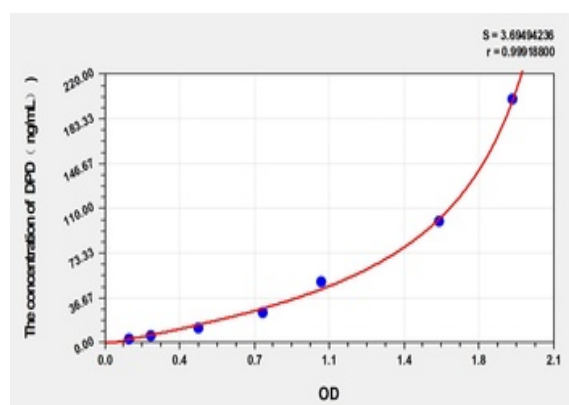
serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids

### Note

For research use only

### Expiration Date

Please enquire.



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