

## Product Datasheet

# Mouse Patatin Like Phospholipase Domain Containing Protein 2 (PNPLA2) ELISA Kit (orb1817381)

**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 Mouse PNPLA2. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse PNPLA2. 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 PNPLA2, 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 Mouse PNPLA2 in the samples is then determined by comparing the OD of the samples to the standard curve.

**Reactivity**

Mouse

**Range**

0.16-10 ng/mL

**Concentration**

10 ng/mL

**Note**

For research use only

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**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 Mouse PNPLA2. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse PNPLA2. 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 PNPLA2, 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 Mouse PNPLA2 in the samples is then determined by comparing the OD of the samples to the standard curve

**Sample Types**

tissue homogenates, cell lysates and other biological fluids

**Assay Time**

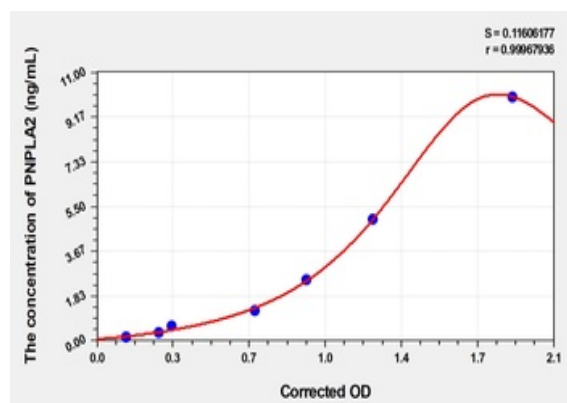
3.5h

**Sensitivity**

0.064 ng/mL

**Expiration Date**

Please enquire.

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