

## Product Datasheet

# Mouse Phosphorylated Adenosine Monophosphate Activated Protein Kinase (p-AMPK) ELISA Kit (orb1146882)

**Catalog Number** orb1146882

**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 Phosphorylated Adenosine Monophosphate Activated Protein Kinase(AMPK). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Phosphorylated Adenosine Monophosphate Activated Protein Kinase(AMPK). 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 Phosphorylated Adenosine Monophosphate Activated Protein Kinase(AMPK), 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  $\pm$  10nm. The concentration of Phosphorylated Adenosine Monophosphate Activated Protein Kinase(AMPK) in the samples is then determined by comparing the OD of the samples to the standard curve.

**Reactivity** Mouse

**Concentration** 100 ng/mL

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**Application notes**

standard: 100 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 p-AMPK. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse p-AMPK. 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 p-AMPK, 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 p-AMPK 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**

1.57-100 ng/mL

**Sensitivity**

0.58 ng/mL

**Sample Types**

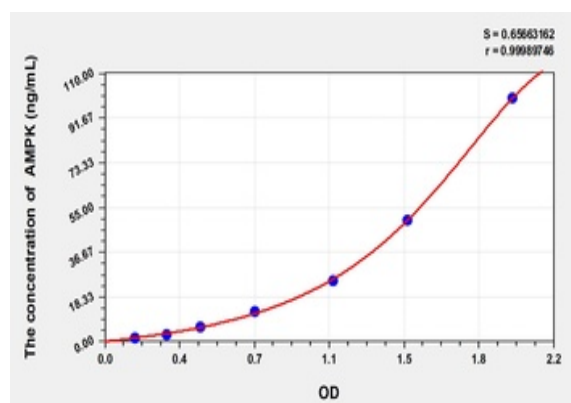
serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids

**Note**

For research use only

**Expiration Date**

Please enquire.



Standard curve for orb1146882 ELISA kit.

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