

## Product Datasheet

# Mouse Protein Kinase, AMP Activated Beta 1 (PRKAb1) ELISA Kit (orb1088221)

**Catalog Number** orb1088221

**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 Protein Kinase, AMP Activated Beta 1 (PRKAb1). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Protein Kinase, AMP Activated Beta 1 (PRKAb1). 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 Protein Kinase, AMP Activated Beta 1 (PRKAb1), 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 Protein Kinase, AMP Activated Beta 1 (PRKAb1) in the samples is then determined by comparing the OD of the samples to the standard curve.

**Reactivity** Mouse

**Concentration** 10 ng/mL

**UniProt ID** **Q9R078**

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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 PRKAb1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse PRKAb1. 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 PRKAb1, 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 PRKAb1 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**

0.16-10 ng/mL

**Sensitivity**

0.054 ng/mL

**Sample Types**

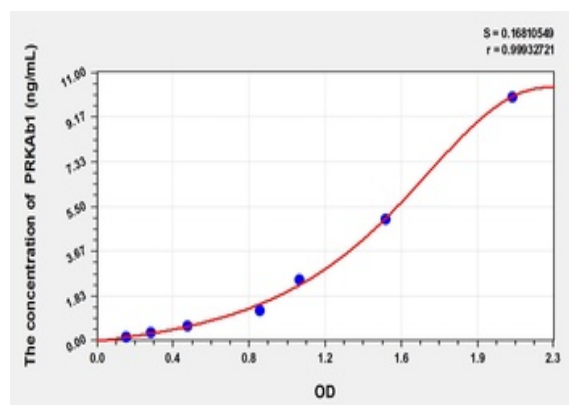
tissue homogenates, cell lysates and other biological fluids

**Note**

For research use only

**Expiration Date**

Please enquire.



Standard curve for orb1088221 ELISA kit.

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