

Product Datasheet

Horse Protein Kinase, AMP Activated Alpha 1 (PRKAa1) ELISA Kit (orb1146858)

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 Alpha 1 (PRKAa1). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Protein Kinase, AMP Activated Alpha 1 (PRKAa1). 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 Alpha 1 (PRKAa1), 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 Protein Kinase, AMP Activated Alpha 1 (PRKAa1) in the samples is then determined by comparing the OD of the samples to the standard curve.

Reactivity

Equine

Range

0.16-10 ng/mL

Concentration

10 ng/mL

Note

For research use only

Biorbyt Ltd.

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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 Horse PRKAa1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Horse PRKAa1. 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 Horse PRKAa1, 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 Horse PRKAa1 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

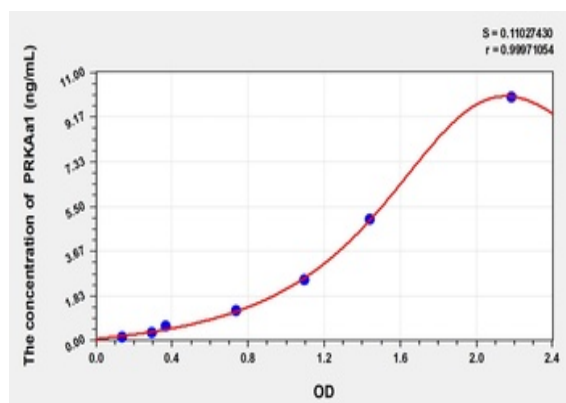
3.5h

Sensitivity

0.058 ng/mL

Expiration Date

Please enquire.

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