

Product Datasheet

Human Rho-Associated Protein kinase 1 (Rock1) ELISA Kit (orb1736624)

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 Human Rock-1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human Rock-1. 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 Human Rock-1, 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 Human Rock-1 in the samples is then determined by comparing the OD of the samples to the standard curve.

Reactivity

Human

Range

0.32-20 ng/mL

Concentration

20 ng/ml

Note

For research use only

Application notes

standard: 20 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 Human Rock-1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human Rock-1. 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 Human Rock-1, 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 Human Rock-1 in the samples is then determined by comparing the OD of the samples to the standard curve

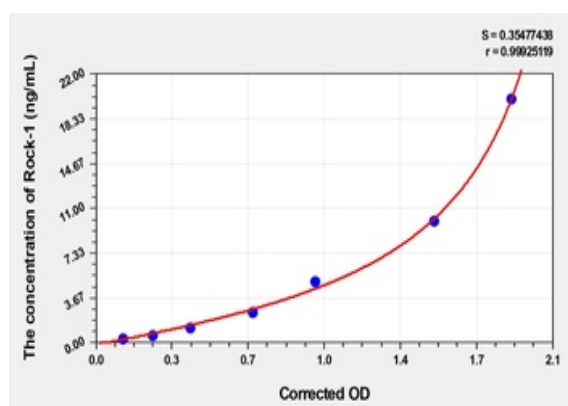
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Sample Types	serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Assay Time	3.5h
Uniprot ID	Q13464
Sensitivity	0.15 ng/mL
Expiration Date	Please enquire.

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