

Product Datasheet

Rat FK506 Binding Protein 5 (FKBP5) ELISA Kit (orb1736471)

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 Rat FKBP5. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat FKBP5. 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 Rat FKBP5, 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 Rat FKBP5 in the samples is then determined by comparing the OD of the samples to the standard curve.

Reactivity

Rat

Range

0.16-10 ng/mL

Concentration

10 ng/mL

Note

For research use only

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 Rat FKBP5. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat FKBP5. 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 Rat FKBP5, 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 Rat FKBP5 in the samples is then determined by comparing the OD of the samples to the standard curve

Sample Types

serum, plasma, tissue homogenates and other biological fluids

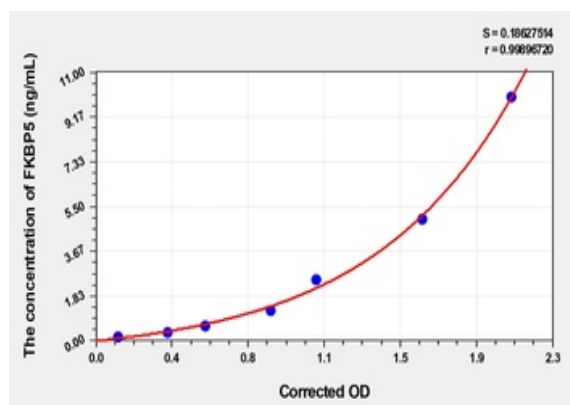
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Assay Time	3.5h
Sensitivity	0.057 ng/mL
Expiration Date	Please enquire.

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