

Product Datasheet

Mouse Calcium/Calmodulin Dependent Protein Kinase II Gamma (CAMK2 γ) ELISA (orb1817294)

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 Mouse CAMK2 γ . Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse CAMK2 γ . 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 CAMK2 γ , 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 Mouse CAMK2 γ in the samples is then determined by comparing the OD of the samples to the standard curve.

Reactivity

Mouse

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 Mouse CAMK2 γ . Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse CAMK2 γ . 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 CAMK2 γ , 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 Mouse CAMK2 γ in the samples is then determined by comparing the OD of the samples to the standard curve

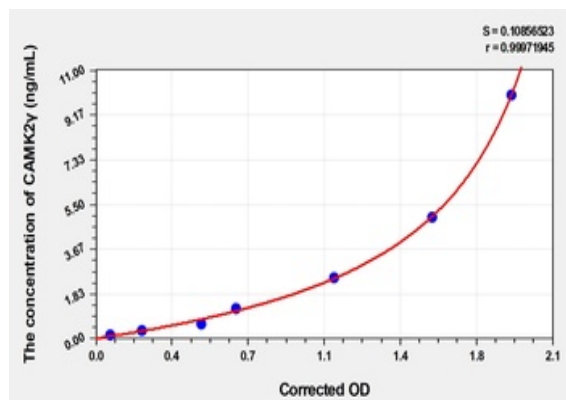
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Sample Types	Tissue homogenates, cell lysates and other biological fluids.
Assay Time	3.5h
Sensitivity	0.081 ng/mL
Expiration Date	Please enquire.

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