

Product Datasheet

Rat Caspase 2 (CASP2) ELISA Kit (orb1146780)

Catalog Number orb1146780

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 Caspase 2(CASP2). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Caspase 2(CASP2). 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 Caspase 2(CASP2), 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 Caspase 2(CASP2) 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 CASP2. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat CASP2. 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 CASP2, 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 Rat CASP2 in the samples is then determined by comparing the OD of the samples to the standard curve

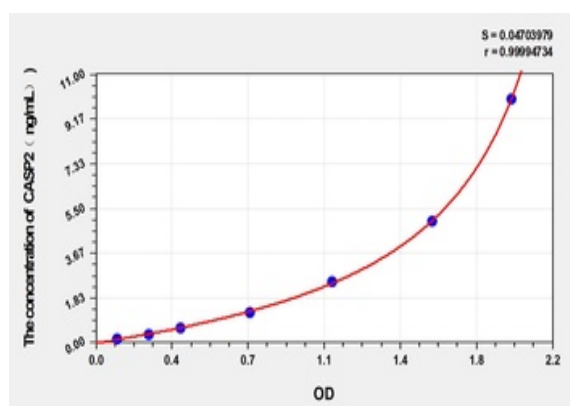
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Sample Types	tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Assay Time	3.5h
Uniprot ID	P55215
Sensitivity	0.06 ng/mL
Expiration Date	Please enquire.

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