

Product Datasheet

Horse Superoxide Dismutase 1, Soluble (SOD1) ELISA Kit (orb1994916)

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 Horse SOD1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Horse SOD1. 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 SOD1, 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 SOD1 in the samples is then determined by comparing the OD of the samples to the standard curve.

Reactivity

Equine

Range

0.78-50 ng/mL

Concentration

50 ng/mL

Note

For research use only

Application notes

standard: 50 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 SOD1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Horse SOD1. 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 SOD1, 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 SOD1 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
Sensitivity	0.21 ng/mL
Expiration Date	Please enquire.

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