

Product Datasheet

General 4-Hydroxynonenal (4-HNE) ELISA Kit (orb1146751)

Catalog Number orb1146751

Category Assays and Kits

Description This assay employs the competitive inhibition enzyme immunoassay technique.

The microtiter plate provided in this kit has been pre-coated with 4-HNE protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to 4-HNE. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of $450 \, \mathrm{nm} \pm 10 \, \mathrm{nm}$. The concentration of 4-HNE in the samples is then determined by comparing the OD

of the samples to the standard curve.

Reactivity All

Concentration 40 ng/mL

Application notes standard: 40 ng/mL. Test principle: This assay employs the competitive inhibition

enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with 4-HNE protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to 4-HNE. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added. 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 4-HNE in the samples is then determined by comparing the OD of the samples to the standard curve

Assay Type Competitive

Assay Time 2.5h

Range 0.63-40 ng/mL





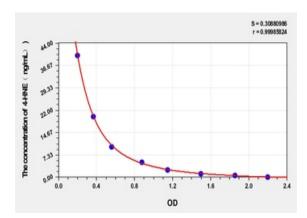
Sensitivity 0.38 ng/mL

Sample Types serum, plasma, tissue homogenates, cell lysates, cell culture supernates and

other biological fluids

Note For research use only

Expiration Date Please enquire.



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