

Product Datasheet

4-HNE(4-Hydroxynonenal) ELISA Kit (orb1806568)

Description	4-HNE(4-Hydroxynonenal) ELISA Kit
Reactivity	All
Range	0.63-40 ng/mL
Target	4-HNE
Note	For research use only
Application notes	This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with 4-Hydroxynonenal(4-HNE) protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to 4-Hydroxynonenal(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 ± 10nm. The concentration of 4-Hydroxynonenal(4-HNE) in the samples is then determined by comparing the OD of the samples to the standard curve.
Sample Types	serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Sensitivity	0.38 ng/mL
Expiration Date	Please enquire.

