

Rat 4-Hydroxynonenal (HNE) ELISA kit

This kit applies competitive inhibition ELISA method for the quantitative detection of 4-Hydroxynonenal (HNE) in rat samples. The microtiter plate provided in this kit has been pre-coated with Rat 4-HNE protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat 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 Rat 4-HNE in the samples is then determined by comparing the OD of the samples to the standard curve.

Catalog No.	3038373
Size	96-Wells
Product Category	ELISA (Quantitative)
Reactivity	Rat
Sample	Serum; Plasma; Tissue Homogenates
Assay Method	Competitive Inhibition ELISA
Assay Duration	2 hours
Sensitivity	7.54 pg/mL
Standard Curve Range	15.63-1000 pg/mL
Storage/Stability	-20°C/1 year; 4°C/6 months