

Rat 8-iso-PGF2alpha (8-isoprostane) ELISA kit

This kit applies competitive inhibition ELISA method for the quantitative detection of 8-iso-PGF2alpha (8-isoprostane) in rat samples. The microtiter plate provided in this kit has been pre-coated with Rat 8-iso-PGF2alpha protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat 8-iso-PGF2alpha. 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 8-iso-PGF2alpha in the samples is then determined by comparing the OD of the samples to the standard curve.

Catalog No.	3039175
Size	96-Wells
Product Category	ELISA (Quantitative)
Reactivity	Rat
Sample	Serum; Plasma; Other Biological Fluids
Assay Method	Competitive Inhibition ELISA
Assay Duration	2 hours
Sensitivity	9.375 pg/mL
Standard Curve Range	15.625-1000 pg/mL
Storage/Stability	-20°C/1 year; 4°C/6 months