



## Human 8-OHdG (DNA Damage) ELISA kit

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

Catalog No.	3018533
Size	96-Wells
Product Category	ELISA (Quantitative)
Reactivity	Human
Sample	Serum; Plasma; Other Biological Fluids
Assay Method	Competitive Inhibition ELISA
Assay Duration	2 hours
Sensitivity	26.29 pg/mL
Standard Curve Range	93.75-6000 pg/mL
Storage/Stability	-20°C/1 year; 4°C/6 months