



8-Hydroxydeoxyguanosine (8-OHdG) Rapid ELISA kit

This Rapid ELISA kit applies Competitive Inhibition enzyme immunoassay technique for the quantitative detection. The micro ELISA plate provided in this kit has been pre-coated with 8-OHdG. During the reaction, 8-OHdG in the sample or standard competes with a fixed amount of 8-OHdG on the solid phase supporter for sites on the Biotinylated Detection Ab specific to 8-OHdG. Excess conjugate and unbound sample or standard are washed away, and Avidin-Horseradish Peroxidase (HRP) conjugate are added to each micro plate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns from blue to yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of $450 \text{ nm} \pm 2 \text{ nm}$. The concentration of 8-OHdG in tested samples can be calculated by comparing the OD of the samples to the standard curve.

Catalog No.	3510185
Size	96-Well Tests
Product Category	Rapid ELISA
Reactivity	Various
Sample	Serum; Plasma; Other Biological Fluids
Assay Method	Competitive Inhibition ELISA
Assay Duration	45 min
Sensitivity	0.94 ng/mL
Standard Curve Range	1.56~100 ng/mL
Storage/Stability	-20°C/1 year; 4°C/6 months