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Product Datasheet

General 8-Hydroxydeoxyguanosine (8-OHdG) ELISA Kit BYT-ORB1806502

Article Name	General 8-Hydroxydeoxyguanosine (8-OHdG) ELISA Kit
Biozol Catalog Number	BYT-ORB1806502
Supplier Catalog Number	orb1806502
Alternative Catalog Number	BYT-ORB1806502-48,BYT-ORB1806502-96
Manufacturer	Biorbyt
Category	Kits/Assays
Species Reactivity	All
Product Description	General 8-Hydroxydeoxyguanosine (8-OHdG) ELISA Kit...
Range	1.56-100ng/mL
Sensitivity	0.94 ng/mL
Samples	Serum, plasma and other biological fluids
Target	8-OHdG

Application Notes	Application Notes: This ELISA kit uses the Competitive-ELISA principle. 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 nm $\pm$ 2 nm. The concentration of 8-OHdG in tested samples can be calculated by comparing the OD of the samples to the standard curve
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