

Rat 8-OHdG (8-Hydroxydeoxyguanosine) ELISA Kit | 8-OHdG elisa kit

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CATALOG #
AAA248876

REACTIVITY
Rat

PRODUCT SYNONYMS

8-OHdG (8-Hydroxydeoxyguanosine); Rat 8-OHdG (8-Hydroxydeoxyguanosine) ELISA Kit; 8-OHdG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of 8-OHdG. No significant cross-reactivity or interference between 8-OHdG and analogues was observed.
Assay Type	Competitive
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	1.563-100ng/ml
Sensitivity	0.938ng/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard operation of a 8-OHdG ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain standard curve as per experiment by themselves. (N/A-not applicable)

X	ng/ml	0	1.562	3.125	6.25	12.5	25	50	100
Y	OD450	2.217	2.106	1.968	1.632	1.262	0.942	0.577	0.004

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for 8-OHdG elisa kit

Principle of the Assay: This kit was based on Competitive-ELISA detection method. The microtiter plate provided in this kit has been pre-coated with target. During the reaction, target in the sample or standard competes with a fixed amount of target on the solid phase supporter for sites on the Biotinylated Detection Antibody specific to target. Excess conjugate and unbound sample or standard are washed from the plate, and HRP-Streptavidin (SABC) is added to each microplate well and incubated. Then TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm. The concentration of target in the samples is then determined by comparing the OD of the samples to the standard curve.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.