

DNA Damage (8-OHdG) ELISA Kit | 8-OHdG elisa kit

DNA Damage (8-OHdG) ELISA Kit

CATALOG #
AAA52758

PRODUCT SYNONYMS

DNA Damage (8-OHdG); DNA Damage (8-OHdG) ELISA Kit; DNA Damage ELISA Kit; 8-hydroxy-2-deoxyguanosine (8-OHdG); 8-OHdG elisa kit

PRODUCT SPECIFICATIONS

Sample	Culture medium, urine, plasma/serum, cell lysates, tissue samples, saliva
Excitation/Emission	Absorbance Plate Reader
Preparation and Storage	Store 8-OHdG at -20 degree C. All other kit components at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for 8-OHdG elisa kit	Description: Quantify 8-OHdG in urine, cell culture, plasma and other sample matrices using DNA Damage (8-OHdG) ELISA Kit. This kit offers a quick incubation time, stable reagents, and a user-friendly protocol. Analyze results using an absorbance plate reader. Background: 8-hydroxy-2-deoxyguanosine (8-OHdG) is produced by the oxidative damage of DNA by reactive oxygen and nitrogen species and serves as an established marker of oxidative stress. Hydroxylation of guanosine occurs in response to both normal metabolic processes and a variety of environmental factors (i.e., anything that increases reactive oxygen and nitrogen species). Increased levels of 8-OHdG are associated with the aging process as well as with a number of pathological conditions including cancer, diabetes, and hypertension. Quantify 8-OHdG in urine, cell culture, plasma and other sample matrices using DNA Damage ELISA Kit. This kit offers a quick incubation time, stable reagents, and a user-friendly protocol. The ELISA utilizes an 8-hydroxy-2-deoxyguanosine-coated plate and an HRP-conjugated 8-OHdG specific detection antibody. This produces an assay with a useful range of 0.94-60 ng/mL, and a sensitivity of 0.59 ng/mL. Analyze your results using an absorbance plate reader.
Product Categories/Family for 8-OHdG elisa kit	Cell Viability Assays; Oxidative Stress

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.

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Online datasheet: <https://www.aaabiotech.com/elisa-kits/dna-damage-8-ohdg/52758>