

Human 8-Hydroxy-desoxyguanosine ELISA Kit | 8-OHdG elisa kit

Human 8-Hydroxy-desoxyguanosine (8-OHdG) ELISA Kit

CATALOG #
AAA55709

REACTIVITY
Human

PRODUCT SYNONYMS

8-Hydroxy-desoxyguanosine; Human 8-Hydroxy-desoxyguanosine (8-OHdG) ELISA Kit; 8-OHdG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human 8-OHdG. No significant cross-reactivity or interference between Human 8-OHdG and analogues was observed.
Samples	serum, plasma, urine and other biological fluids
Detection Range	15.6 ng/mL - 1000 ng/mL
Sensitivity	10.4 ng/mL (mean of 6 independent assays).
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for 8-OHdG elisa kit

Intended Uses: For the quantitative detection of Human 8-Hydroxy-desoxyguanosine (8-OHdG) concentration in serum, plasma, urine and other biological fluids.

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate 8-OHdG in Human serum, plasma, urine. An antibody specific for 8-OHdG has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any 8-OHdG present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for 8-OHdG is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of 8-OHdG bound in the initial step. The color development is stopped and the intensity of the color is measured.

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/8-ohdg-human-elisa-kits/8-hydroxy-desoxyguanosine/55709>