

Mouse 8-Hydroxy-Desoxyguanosine (8-OHdG) ELISA Kit | 8-OHdG elisa kit

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CATALOG #
AAA332393

REACTIVITY
Mouse

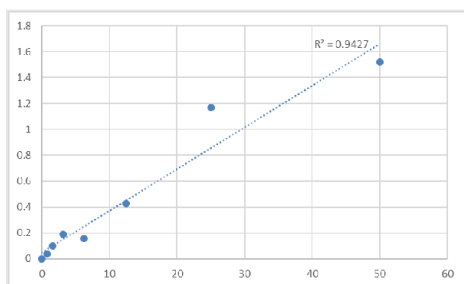
PRODUCT SYNONYMS

8-Hydroxy-Desoxyguanosine (8-OHdG); Mouse 8-Hydroxy-Desoxyguanosine (8-OHdG) ELISA Kit; 8-OHdG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse 8-Hydroxy-desoxyguanosine (8-OHdG) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse 8-OHdG. No significant cross-reactivity or interference between Mouse 8-OHdG and analogues was observed.
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Mouse 8-Hydroxy-desoxyguanosine (8-OHdG) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for 8-OHdG elisa kit	Description: This Mouse 8-Hydroxy-desoxyguanosine (8-OHdG) ELISA Kit employs a two-site sandwich ELISA to quantitate 8-OHdG in samples. 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. Background: 8-oxo-7,8-dihydro-2 deoxyguanosine(8-OHdG), is probably the most important product of "oxidative stress" in DNA. Its concentration in DNA is, in fact, a quantitative analysis of the degree of DNA damage that an organism has undergone. Due to the importance of 8-OHdG of nucleic acid in mutagenesis, carcinogenesis and aging, numerous chemical and biological investigations have been made on this subject in the past time. Kuchino and co-workers have found that 8-OHdG residue in DNA is misreading during the process of DNA replication. Recently, some reports have been presented on high 8-OHdG levels in patients suffering from various diseases such as chronic hepatitis, Fanconi s anemia, diabetes mellitus and Helicobacter pylori infections. As a result, 8-OHdG is a useful marker for the study of DNA damage arising from reactive oxygen species and is of great significance for cancer research.
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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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/8-hydroxy-desoxyguanosine-8-ohdg/332393>