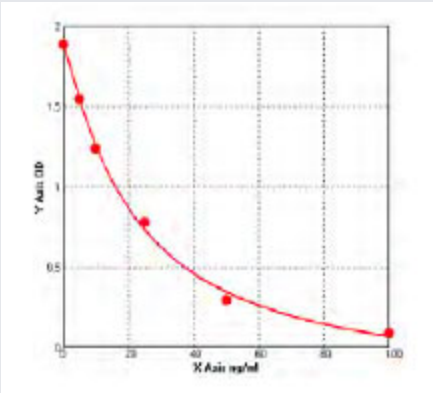
8 Hydroxy 2 Desoxyguanosine (8 OHdG) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	8 Hydroxy 2 desoxyguanosine (8 OHdG), ELISA Kit
Full Product Name	Human 8 Hydroxy 2 desoxyguanosine ELISA Kit
Product Gene Name	8 OHdG elisa kit
Species Reactivity	Human
Assay Type	Sandwich
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.
Sample Preparation	We suggest pre-experimenting with neat (undiluted) samples, 1:2 or 1:4 dilutions. Please avoid diluting your samples more than 1:10 as it would exceed the dilution limit set for this kit. If the expected concentration of the target is beyond the detection range of the kit, please contact our technical support team
ISO Certification	Manufactured in an ISO 13485:2016 Certified Laboratory.
Related Product Information for 8 OHdG elisa kit	Intended Uses: This 8-OHDG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human 8-OHDG. This ELISA kit for research use only! Principle of the Assay: 8-OHDG ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-8-OHDG antibody and an 8-OHDG-HRP conjugate. The assay sample and buffer are incubated together with 8-OHDG-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the 8-OHDG concentration since 8-OHDG from samples and 8-OHDG-HRP conjugate compete for the anti-8-OHDG antibody binding site. Since the number of sites is limited, as more sites are occupied by 8-OHDG from the sample, fewer sites are left to bind 8-OHDG-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The 8-OHDG concentration in each sample is interpolated from this standard curve.
Other Notes	Small volumes of 8 OHdG elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for 8 OHdG purchase	MBS730823 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the 8 Hydroxy 2 desoxyguanosine (8 OHdG) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing 8 OHdG. The ELISA analytical biochemical technique of the MBS730823 kit is based on 8 OHdG antibody-8 OHdG antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect 8 OHdG antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, 8 OHdG. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



Typical Testing Data/Standard Curve (for reference only) of 8 OHdG elisa kit

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/8-ohdg-human-elisa-kits/8-hydroxy-2-desoxyguanosine/730823