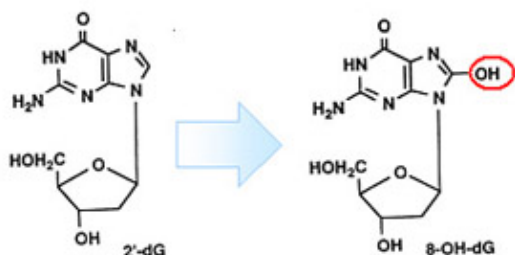


Highly Sensitive 8-OHdG Check ELISA kit

FOR RESEARCH USE ONLY

About 8-hydroxy-2'-deoxyguanosine (8-OHdG):



Formation of 8-hydroxy-2'-deoxyguanosine (8-OHdG) by oxygen radicals.
H Kasai: Environmental Mutagen Research, Vol. 10, p73-78 (1988)

8-hydroxy-2'-deoxyguanosine (8-OHdG) is a product of oxidatively damaged DNA formed by hydroxy radical, singlet oxygen and direct photodynamic action. 8-OHdG can be detected in tissue, serum, urine and other biomaterials. New 8-OHdG Check is a competitive enzyme-linked immunosorbent assay (ELISA) utilising monoclonal antibody (clone N45.1) which is highly specific for DNA damage, not cross react with RNA oxidation products such as 8-hydroxy-guanine and 8-hydroxy-guanosine. This product is suitable for detection of 8-OHdG in urine and other biomaterials from human and animals.



This product is a 8-OHdG ELISA kit utilizing anti 8-OHdG monoclonal antibody (clone N45.1) which is highly specific for 8-OHdG. We provide two types of 8-OHdG ELISA kits with different assay range. Highly Sensitive 8-OHdG Check ELISA is suitable for urine, serum, tissue and cultured cells.

Specifications

Assay principle: Competitive ELISA (detection: 450 nm)

Specificity: Specific for 8-OHdG. Antibody have been tested to 8-OHdG analogues (guanosine(G),7-methyl-G, 6-SH-G, 8-Bromo-G, dA, dC, dT, dI, dU, dG, O6-methyl-dG,8-OHdA, guanine(Gua),O6-methyl-Gua, 8-OH-Gua, uric acid, urea, creatine, creatinine, 8-sulfhydryl-G, 8-OH-G).

Measuring range: 0.125 to 10 ng/mL

Format: 96 wells (18 samples in triple assays)

Applications: Urine, serum, tissue and cultured cells.

Storage: Store at 4 - 10°C (don't freeze).

Expiry: 9 months after the day of manufacturing.

Product name	Code	Application
Highly Sensitive 8-OHdG Check	KOG-HS10E	Serum, plasma, tissue and other biological fluids.

Related products: [New 8-OHdG Check ELISA](#) [Anti 8-OHdG monoclonal antibody](#)

FOR RESEARCH USE ONLY. Not for diagnostic, medical or other use.

GentaUR Molecular Products
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1910 Kampenhout, Belgium

Primary Antibody:	Anti 8-OHdG antibody, pow der.	1 vial
Primary Antibody Solution		1 vial (6mL)
Secondary Antibody:	HRP-anti mouse antibody, pow der.	1 vial
Secondary Antibody Solution:		1 vial (12mL)
Chromatic Solution:	3,3',5,5'-tetramethylbenzidine	1 vial (0.25mL)
Diluting Solution:	H ₂ O ₂ containing buffer.	1 vial (12mL)
Washing Solution(5x):		2 vials (26mLx2)
Reaction Terminating Solution:	1M Phosphoric acid.	1 vial (12mL)
Standard 8-OHdG Solution:	Purified 8-OHdG (0.125, 0.25, 0.5, 1, 4, 10 ng/mL)	1 vial each
Plate Seal:		2 sheets

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[[8-OHdG in saliva can be detected by 8-OHdG ELISA.](#)]

