

Human 8-oxoguanine DNA glycosylase ELISA Kit | OGG1 elisa kit

Human 8-oxoguanine DNA glycosydase, hOGG1 ELISA Kit

CATALOG #
AAA15367

REACTIVITY
Human

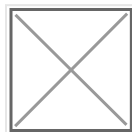
PRODUCT SYNONYMS

8-oxoguanine DNA glycosylase; Human 8-oxoguanine DNA glycosydase; hOGG1 ELISA Kit; Human 8-oxoguanine DNA glycosydase (hOGG1) ELISA kit; HMMH; HOGG1; MUTM; OGH1; 8-hydroxyguanine DNA glycosylase; 8-oxoguanine DNA-glycosylase 1; AP lyase; DNA-apurinic or apyrimidinic site lyase; OGG1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human hOGG1. No significant cross-reactivity or interference between human hOGG1 and analogues was observed.
Sequence Length	345
Assay Type	Quantitative Sandwich
Samples	Serum, tissue homogenates, cell lysates
Detection Range	0.312 ng/ml-20 ng/ml
Sensitivity	< 0.078 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for OGG1 elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for hOGG1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any hOGG1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for hOGG1 is added to the wells. After washing, avidin 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 hOGG1 bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505495
NCBI GeneID	4968
NCBI Accession #	NP_002533.1
NCBI GenBank Nucleotide #	NM_002542.5
UniProt Accession #	O15527; O00390; O00670; O00705; O14876; O95488; P78554; Q9BW42; Q9UIK0; Q9UIK1; Q9UIK2; A8K1E3
Molecular Weight	38,782 Da
NCBI Official Full Name	N-glycosylase/DNA lyase isoform 1a
NCBI Official Synonym Full Names	8-oxoguanine DNA glycosylase
NCBI Official Symbol	OGG1
NCBI Official Synonym Symbols	HMMH; MUTM; OGH1; HOGG1
NCBI Protein Information	N-glycosylase/DNA lyase; AP lyase; OGG1 type 1f; 8-hydroxyguanine DNA glycosylase; DNA-apurinic or apyrimidinic site lyase
UniProt Protein Name	N-glycosylase/DNA lyase
UniProt Gene Name	OGG1
UniProt Synonym Gene Names	MMH; MUTM; OGH1; AP lyase
UniProt Entry Name	OGG1_HUMAN

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://stage.aaabiotech.com/ogg1-human-elisa-kits/8-oxoguanine-dna-glycosylase/15367>