

Human Uracil DNA Glycosylase (UNG) ELISA Kit | UNG elisa kit

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CATALOG #
AAA187198

REACTIVITY
Human

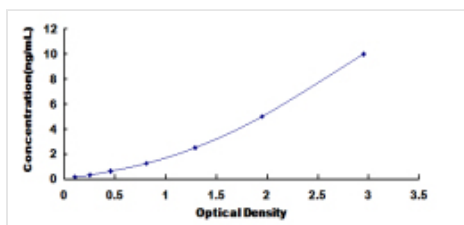
PRODUCT SYNONYMS

Uracil DNA Glycosylase (UNG); Human Uracil DNA Glycosylase (UNG) ELISA Kit; UDG; UNG1; UNG2; HIGM4; UNG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Uracil DNA Glycosylase (UNG). No significant cross-reactivity or interference between Uracil DNA Glycosylase (UNG) and analogues was observed.
Sequence Length	330
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.053ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Uracil DNA Glycosylase (UNG) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Uracil DNA Glycosylase (UNG) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for UNG elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Uracil DNA Glycosylase (UNG). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Uracil DNA Glycosylase (UNG). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Uracil DNA Glycosylase (UNG), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Uracil DNA Glycosylase (UNG) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	15230152
NCBI GeneID	821394
NCBI Accession #	NP_188493.1
NCBI GenBank Nucleotide #	NM_112749.5
UniProt Accession #	Q9LIH6
Molecular Weight	36,289 Da
NCBI Official Full Name	uracil dna glycosylase
NCBI Official Symbol	UNG
NCBI Official Synonym Symbols	ATUNG; uracil dna glycosylase
NCBI Protein Information	uracil dna glycosylase
UniProt Protein Name	Uracil-DNA glycosylase, mitochondrial
UniProt Gene Name	UNG
UniProt Synonym Gene Names	UDG

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/human-elisa-kits/uracil-dna-glycosylase-ung/187198>