

Human Thymine DNA Glycosylase (TDG) RTU ELISA Kit | TDG rtu elisa kit

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CATALOG #
AAA218672

REACTIVITY
Human

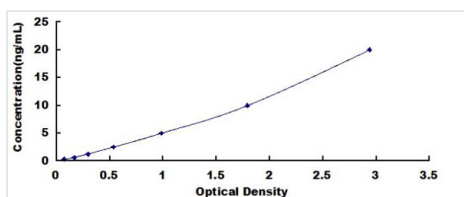
PRODUCT SYNONYMS

Thymine DNA Glycosylase (TDG); Human Thymine DNA Glycosylase (TDG) ELISA Kit; G/T Mismatch-Specific Thymine DNA Glycosylase; Thymine-DNA glycosylase; TDG rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	410
Assay Type	Sandwich
Samples	Tissue Homogenates or Other Biological Fluids.
Detection Range	0.312-20ng/mL
Sensitivity	0.038ng/mL
RTU ELISA Kit's Advantage	The Ready-To-Use (RTU) Kits require fewer steps in setup and take less time to run. Detection Solutions are pre-diluted and total incubation time is shorter than many other ELISA Kits.
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TDG rtu elisa kit

Test Principle: The microtiter plate provided in this kit has been pre-coated with an antibody specific to TDG. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to TDG. 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 TDG, 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 $\pm$ 10nm. The concentration of TDG in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	59853162
NCBI GeneID	6996
NCBI Accession #	NP_003202.3
NCBI GenBank Nucleotide #	NM_003211.5
UniProt Accession #	Q13569; Q8IUZ6; Q8IZM3
Molecular Weight	46,053 Da
NCBI Official Full Name	G/T mismatch-specific thymine DNA glycosylase isoform 1
NCBI Official Synonym Full Names	thymine DNA glycosylase
NCBI Official Symbol	TDG
NCBI Official Synonym Symbols	hTDG
NCBI Protein Information	G/T mismatch-specific thymine DNA glycosylase
UniProt Protein Name	G/T mismatch-specific thymine DNA glycosylase
UniProt Gene Name	TDG
UniProt Synonym Gene Names	hTDG

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-rtu-elisa-kits/thymine-dna-glycosylase-tdg/218672>