

Human MutY Homolog (MUTYH) ELISA Kit | MUTYH elisa kit

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CATALOG #
AAA64458

REACTIVITY
Human

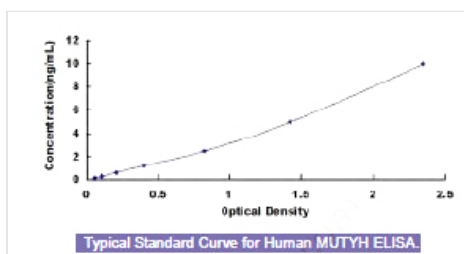
PRODUCT SYNONYMS

MutY Homolog (MUTYH); Human MutY Homolog (MUTYH) ELISA Kit; MYH; A/G-specific adenine DNA glycosylase; MUTYH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MUTYH. No significant cross-reactivity or interference between MUTYH and analogues was observed.
Sequence Length	535
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.041ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MUTYH were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level MUTYH were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MUTYH elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MUTYH in human tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to MUTYH. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to MUTYH. 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 MUTYH, 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 MUTYH 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 #	115298648
NCBI GeneID	4595
NCBI Accession #	NP_001041636.1
NCBI GenBank Nucleotide #	NM_001048171.1
UniProt Accession #	Q9UIF7; Q15830; Q9UBP2; Q9UBS7; Q9UIF4; Q9UIF5; Q9UIF6; D3DPZ4
Molecular Weight	57,446 Da
NCBI Official Full Name	adenine DNA glycosylase isoform 2
NCBI Official Synonym Full Names	mutY DNA glycosylase
NCBI Official Symbol	MUTYH
NCBI Official Synonym Symbols	MYH
NCBI Protein Information	adenine DNA glycosylase
UniProt Protein Name	Adenine DNA glycosylase
UniProt Gene Name	MUTYH
UniProt Synonym Gene Names	MYH; hMYH

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.