

Human MutL Homolog 1 (MLH1) ELISA Kit | MLH1 elisa kit

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CATALOG #
AAA187587

REACTIVITY
Human

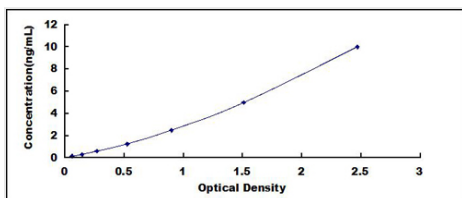
PRODUCT SYNONYMS

MutL Homolog 1 (MLH1); Human MutL Homolog 1 (MLH1) ELISA Kit; COCA2; FCC2; HNPCC; HNPCC2; hMLH1; DNA mismatch repair protein Mlh1; MLH1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MutL Homolog 1 (MLH1). No significant cross-reactivity or interference between MutL Homolog 1 (MLH1) and analogues was observed.
Sequence Length	658
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.055ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level MutL Homolog 1 (MLH1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level MutL Homolog 1 (MLH1) 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 MLH1 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 MutL Homolog 1 (MLH1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to MutL Homolog 1 (MLH1). 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 MutL Homolog 1 (MLH1), 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 MutL Homolog 1 (MLH1) 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 #	62897179
NCBI GeneID	4292
UniProt Accession #	P40692; B4DI13; B4DQ11; E9PCU2
Molecular Weight	73,837 Da
NCBI Official Full Name	MutL protein homolog 1 variant, partial
NCBI Official Synonym Full Names	mutL homolog 1
NCBI Official Symbol	MLH1
NCBI Official Synonym Symbols	FCC2; COCA2; HNPCC; hMLH1; HNPCC2
NCBI Protein Information	DNA mismatch repair protein Mlh1
UniProt Protein Name	DNA mismatch repair protein Mlh1
UniProt Gene Name	MLH1
UniProt Synonym Gene Names	COCA2

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/mutl-homolog-1-mlh1/187587>