

Human DNA mismatch repair protein Msh2 ELISA Kit | MSH2 elisa kit

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CATALOG #
AAA101231

REACTIVITY
Human

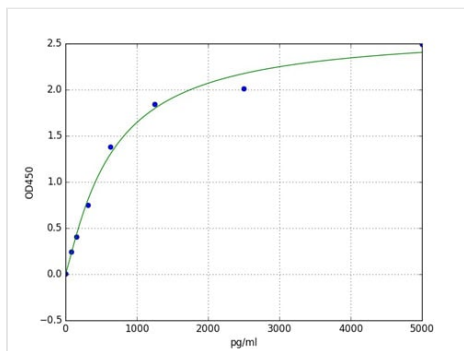
PRODUCT SYNONYMS

DNA mismatch repair protein Msh2; Human DNA mismatch repair protein Msh2 ELISA Kit; MSH2/MSH2/COCA1/FCC1/HNPCC/HNPCC1/LCFS2/MutS protein homolog 2/LCFS2/DNA mismatch repair protein Msh2/hMSH2/HNPCC1mutS (E. coli) homolog 2 (colon cancer; nonpolyposis type 1)/LCFS2/mutS homolog 2; colon cancer; nonpolyposis type 1 (E. coli)/MutS protein homolog 2; MSH2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	934
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Typical Data & Standard Curve

Results of a typical standard run of a Human MSH2 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	78	156	312.5	625	1250	2500	5000
Y	OD450	0.004	0.187	0.285	0.687	0.915	1.485	1.888	2.391

Standard Curve (Sample)

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MSH2 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Human MSH2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human MSH2 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human MSH2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human MSH2 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557761
NCBI GeneID	4436
NCBI Accession #	NP_000242.1
NCBI GenBank Nucleotide #	NM_000251.2
Molecular Weight	97,323 Da
NCBI Official Full Name	DNA mismatch repair protein Msh2 isoform 1
NCBI Official Synonym Full Names	mutS homolog 2
NCBI Official Symbol	MSH2
NCBI Official Synonym Symbols	FCC1; COCA1; HNPCC; LCFS2; HNPCC1
NCBI Protein Information	DNA mismatch repair protein Msh2
UniProt Protein Name	DNA mismatch repair protein Msh2
UniProt Gene Name	MSH2
UniProt Synonym Gene Names	hMSH2
UniProt Entry Name	MSH2_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/human-elisa-kits/dna-mismatch-repair-protein-msh2/101231>