

Human DNA mismatch repair protein Msh3 (MSH3) ELISA Kit | MSH3 elisa kit

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CATALOG #
AAA190369

REACTIVITY
Human

PRODUCT SYNONYMS

DNA mismatch repair protein Msh3 (MSH3); Human DNA mismatch repair protein Msh3 (MSH3) ELISA Kit; DUP; MGC163306; MGC163308; MRP1; Divergent upstream protein|Mismatch repair protein 1|mutS homolog 3; MSH3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human MSH3. No significant cross-reactivity or interference between Human MSH3 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	0.156 ng/mL - 10 ng/mL
Sensitivity	0.1 ng/mL (mean of 6 independent assays)
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C. Please refer to Instruction Manual.

ADDITIONAL INFORMATION

Related Product Information for MSH3 elisa kit

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate MSH3 in Human serum, plasma. An antibody specific for MSH3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MSH3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MSH3 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MSH3 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Intended Uses: For the quantitative detection of Human DNA mismatch repair protein Msh3 (MSH3) concentration in serum, plasma and other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	284813531
NCBI GeneID	4437
NCBI Accession #	NP_002430.3
NCBI GenBank Nucleotide #	NM_002439.4
UniProt Accession #	P20585; Q6PJT5; Q86UQ6; Q92867; A1L482; A6NMM6

Molecular Weight	127,412 Da
NCBI Official Full Name	DNA mismatch repair protein Msh3
NCBI Official Synonym Full Names	mutS homolog 3 (E. coli)
NCBI Official Symbol	MSH3
NCBI Official Synonym Symbols	DUP; MRP1
NCBI Protein Information	DNA mismatch repair protein Msh3; hMSH3; mismatch repair protein 1; divergent upstream protein
UniProt Protein Name	DNA mismatch repair protein Msh3
UniProt Gene Name	MSH3
UniProt Synonym Gene Names	DUC1; DUG; hMSH3; DUP; MRP1
UniProt Entry Name	MSH3_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-msh3-msh3/190369>