

Human Minichromosome Maintenance Deficient 5 (MCM5) ELISA Kit | MCM5 elisa kit

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CATALOG # AAA66503	REACTIVITY Human
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PRODUCT SYNONYMS

Minichromosome Maintenance Deficient 5 (MCM5); Human Minichromosome Maintenance Deficient 5 (MCM5) ELISA Kit; CDC46; P1-CDC46; Cell Division Cycle 46; DNA replication licensing factor MCM5; MCM5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MCM5. No significant cross-reactivity or interference between MCM5 and analogues was observed.
Sequence Length	734
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates or other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.053ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MCM5 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 MCM5 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.

ADDITIONAL INFORMATION

Related Product Information for MCM5 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to MCM5. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to MCM5. 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 MCM5, 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 MCM5 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of MCM5 in human tissue homogenates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	23510448
NCBI GeneID	4174
NCBI Accession #	NP_006730.2

NCBI GenBank Nucleotide #	NM_006739.3
UniProt Accession #	P33992 ; O60785 ; Q14578 ; Q9BTJ4 ; Q9BWL8
Molecular Weight	82,286 Da
NCBI Official Full Name	DNA replication licensing factor MCM5
NCBI Official Synonym Full Names	minichromosome maintenance complex component 5
NCBI Official Symbol	MCM5
NCBI Official Synonym Symbols	CDC46; P1-CDC46
NCBI Protein Information	DNA replication licensing factor MCM5
UniProt Protein Name	DNA replication licensing factor MCM5
UniProt Gene Name	MCM5
UniProt Synonym Gene Names	CDC46

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/minichromosome-maintenance-deficient-5-mcm5/66503>