

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

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CATALOG #
AAA137291

REACTIVITY
Human

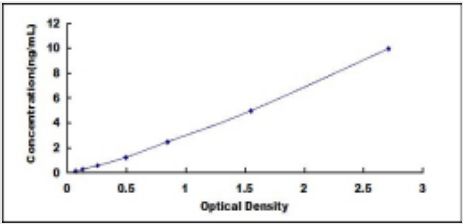
PRODUCT SYNONYMS

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 Minichromosome Maintenance Deficient 5 (MCM5). No significant cross-reactivity or interference between Minichromosome Maintenance Deficient 5 (MCM5) and analogues was observed.
Sequence Length	734
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.061ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Minichromosome Maintenance Deficient 5 (MCM5) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Minichromosome Maintenance Deficient 5 (MCM5) 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 MCM5 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 Minichromosome Maintenance Deficient 5 (MCM5). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Minichromosome Maintenance Deficient 5 (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 Minichromosome Maintenance Deficient 5 (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 ± 10nm. The concentration of Minichromosome Maintenance Deficient 5 (MCM5) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for MCM5 elisa kit	Developmental science

NCBI AND UNIPROT INFORMATION

NCBI GI #	62898207
NCBI GeneID	4174
UniProt Accession #	P33992; O60785; Q14578; Q9BTJ4; Q9BWL8
Molecular Weight	82,286 Da
NCBI Official Full Name	minichromosome maintenance deficient protein 5 variant, partial
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
UniProt Entry Name	MCM5_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.