

Human Minichromosome Maintenance Deficient 2 (MCM2) ELISA Kit | MCM2 elisa kit

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CATALOG #
AAA139421

REACTIVITY
Human

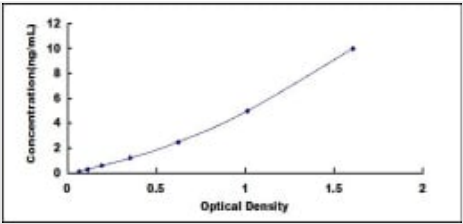
PRODUCT SYNONYMS

Minichromosome Maintenance Deficient 2 (MCM2); Human Minichromosome Maintenance Deficient 2 (MCM2) ELISA Kit; BM28; CCNL1; CDCL1; Cdc19; Mitotin; DNA Replication Licensing Factor MCM2; Nuclear protein BM28; MCM2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Minichromosome Maintenance Deficient 2 (MCM2). No significant cross-reactivity or interference between Minichromosome Maintenance Deficient 2 (MCM2) and analogues was observed.
Sequence Length	904
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.053ng/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 2 (MCM2) 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 2 (MCM2) 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 MCM2 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 2 (MCM2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Minichromosome Maintenance Deficient 2 (MCM2). 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 2 (MCM2), 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 2 (MCM2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for MCM2 elisa kit	Developmental science

NCBI AND UNIPROT INFORMATION

NCBI GI #	119599745
NCBI GeneID	4171
UniProt Accession #	P49736; Q14577; Q15023; Q8N2V1; Q969W7; Q96AE1; Q9BRM7
Molecular Weight	101,896 Da
NCBI Official Full Name	MCM2 minichromosome maintenance deficient 2, mitotin (S. cerevisiae)
NCBI Official Synonym Full Names	minichromosome maintenance complex component 2
NCBI Official Symbol	MCM2
NCBI Official Synonym Symbols	BM28; CCNL1; CDCL1; cdc19; D3S3194; MITOTIN
NCBI Protein Information	DNA replication licensing factor MCM2
UniProt Protein Name	DNA replication licensing factor MCM2
UniProt Gene Name	MCM2
UniProt Synonym Gene Names	BM28; CCNL1; CDCL1; KIAA0030
UniProt Entry Name	MCM2_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.