

Human DNA Replication Licensing Factor MCM3 (MCM3) ELISA Kit | MCM3 elisa kit

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CATALOG #
AAA331841

REACTIVITY
Human

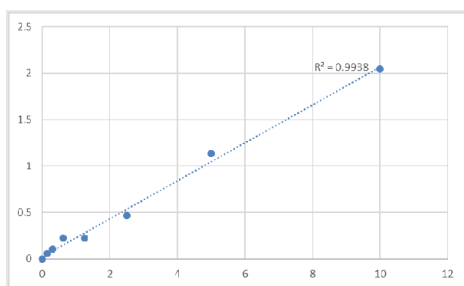
PRODUCT SYNONYMS

DNA Replication Licensing Factor MCM3 (MCM3); Human DNA Replication Licensing Factor MCM3 (MCM3) ELISA Kit; MCM3; HCC5; MGC1157; P1-MCM3; P1.h; RLFB; DNA polymerase alpha holoenzyme-associated protein P1; DNA replication factor MCM3; MCM3 minichromosome maintenance deficient 3; cervical cancer proto-oncogene 5; hRI; MCM3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human DNA replication licensing factor MCM3 (MCM3) ELISA Kit has high sensitivity and excellent specificity for detection of Human MCM3. No significant cross-reactivity or interference between Human MCM3 and analogues was observed.
Sequence Length	808
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human DNA replication licensing factor MCM3 (MCM3) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MCM3 elisa kit	Description: This Human DNA replication licensing factor MCM3 (MCM3) ELISA Kit employs a two-site sandwich ELISA to quantitate MCM3 in samples. An antibody specific for MCM3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MCM3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MCM3 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 MCM3 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MCM3 is one of the highly conserved mini-chromosome maintenance proteins (MCM) that are involved in the initiation of eukaryotic genome replication. The hexameric protein complex formed by MCM proteins is a key component of the pre-replication complex (pre_RC) and may be involved in the formation of replication forks and in the recruitment of other DNA replication related proteins. This protein is a subunit of the protein complex that consists of MCM2-7. It has been shown to interact directly with MCM5/CDC46. This protein also interacts with, and thus is acetylated by MCM3AP, a chromatin-associated acetyltransferase. The acetylation of this protein inhibits the initiation of DNA replication and cell cycle progression.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	19857543
NCBI GeneID	4172
UniProt Accession #	P25205
NCBI Official Full Name	DNA replication licensing factor MCM3
NCBI Official Synonym Full Names	minichromosome maintenance complex component 3
NCBI Official Symbol	MCM3
NCBI Official Synonym Symbols	HCC5; P1.h; RLFB; P1-MCM3
NCBI Protein Information	DNA replication licensing factor MCM3
UniProt Protein Name	DNA replication licensing factor MCM3
UniProt Gene Name	MCM3
UniProt Entry Name	MCM3_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.