

Human DNA Replication Licensing Factor MCM5 (MCM5) ELISA Kit | MCM5 elisa kit

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CATALOG #
AAA331840

REACTIVITY
Human

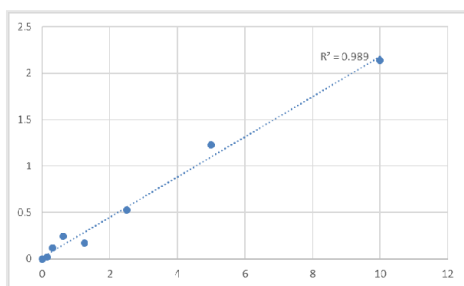
PRODUCT SYNONYMS

DNA Replication Licensing Factor MCM5 (MCM5); Human DNA Replication Licensing Factor MCM5 (MCM5) ELISA Kit; MCM5; CDC46; MGC5315; P1-CDC46; DNA replication licensing factor; MCM5 minichromosome maintenance deficient 5; cell division cycle 46; minichromosome maintenance deficient 5 (cell division cycle 46); MCM5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human DNA replication licensing factor MCM5 (MCM5) ELISA Kit has high sensitivity and excellent specificity for detection of Human MCM5. No significant cross-reactivity or interference between Human MCM5 and analogues was observed.
Sequence Length	734
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 MCM5 (MCM5) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MCM5 elisa kit	Description: This Human DNA replication licensing factor MCM5 (MCM5) ELISA Kit employs a two-site sandwich ELISA to quantitate MCM5 in samples. An antibody specific for MCM5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MCM5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MCM5 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 MCM5 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MCM5 isa protein involved in the initiation of DNA replication. The encoded protein is a member of the MCM family of chromatin-binding proteins and can interact with at least two other members of this family. The encoded protein is upregulated in the transition from the G0 to G1/S phase of the cell cycle and may actively participate in cell cycle regulation.Depletion of ASF1 by RNA interference impeded DNA unwinding at replication sites, and similar defects arose from overproduction of new histone H3-H4 that compromised ASF1 function.ASF1, as a histone acceptor and donor, handles parental and new histones at the replication fork via an ASF1-(H3-H4)-MCM2-7 intermediate and thus provides a means to fine-tune replication fork progression and histone supply and demand.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	23510448
NCBI GeneID	4174
NCBI Accession #	NP_006730.2
NCBI GenBank Nucleotide #	NP_006730.2
UniProt Accession #	P33992
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; MGORS8; 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/dna-replication-licensing-factor-mcm5-mcm5/331840>