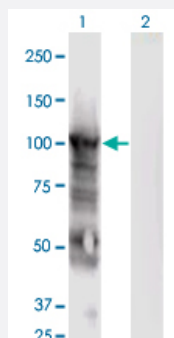


MCM6 monoclonal antibody (M04), clone 7D8

Catalog # H00004175-M04

Size 100 ug

Applications

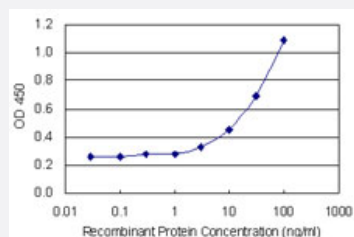


Western Blot (Transfected lysate)

Western Blot analysis of MCM6 expression in transfected 293T cell line by MCM6 monoclonal antibody (M04), clone 7D8.

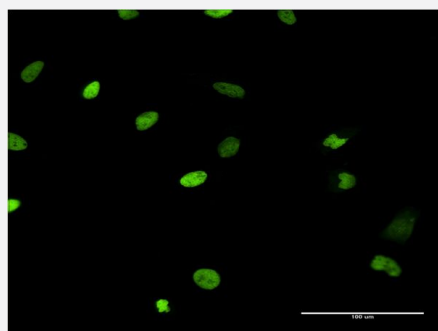
Lane 1: MCM6 transfected lysate (Predicted MW: 92.9 KDa).

Lane 2: Non-transfected lysate.



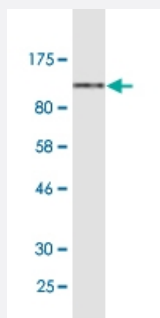
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MCM6 is 1 ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to MCM6 on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (119.3 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant MCM6.
Immunogen	MCM6 (NP_005906.2, 1 a.a. ~ 821 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MDLAAAEPGAGSQHLEVRDEVAEKCQKFLDFLEEFQSSDGEIKYLQLAEELIRPERNTLVVSFVDLEQFNQQLSTTIQEEFYRVYPYLCRAKTFVKDRKEIPLAKDFYVAFQDLPTRHKIRELTSSRIGLLTRISGQVVRTHPVHPELVSGTFLCLDCQTVIRDVEQQFKYTQPNICRNPVCANRRRFLDNTNKSRLFVDFQKVRIQETQAEIPRGSIPRSLEVILRAEAVESAQAGDKCFTGLMVPDVSKLSTPGARAE TNSRVSGVDGYETEGIRGLRALGVRDLSYRLVFLACCVAPTNPFRGGKELRDEEQTAESIKNQMTVKEWEKVFEMSQDKNLYHNLCTSLFPTIHGNDEVKRGVLLMLFGGVPKTTGEGTSLRGDINVCIVGDPSTAKSQFLKHVEEFSPRAVYTSKGASSAAGLTAAVVRDEESHEFVIEAGALMLADNGVCCI DEFDMKMDVRDQVAIHEAMEQQTISITKAGVKATLNARTSILAAANPISGHYDRSKSLKQNNLSAPIMSRFDLFFILVDECNEVTDYAIARRMDLHSRIEESIDRVYSLDDIRRYLLFARQFKPKISKESEDFVEQYKHLRQRDGGSGVTKSSWRITVRQLES MIRLSEAMARMHCCDEVQPKHVKEAFRLLNKSIIRVETPDVNLDQEEEIQMEVDEGAGGINGHADSPAPVNGINGYNEDINQESAPKASLRLGFSEYCRISNLMLHLRKVEEEEDESALKRSELVNWYLKEIESEIDSEEELINKKRIIEKVIHRLTHYDHVLIETQAGLKGSTEGSESYEEDPYLVVNPNYLLED
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (119.3 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of MCM6 expression in transfected 293T cell line by MCM6 monoclonal antibody (M04), clone 7D8.

Lane 1: MCM6 transfected lysate (Predicted MW: 92.9 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MCM6 is 1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to MCM6 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — MCM6

Entrez GeneID	4175
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GeneBank Accession#	NM_005915.4
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Protein Accession#	NP_005906.2
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Gene Name	MCM6
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Gene Alias	MCG40308, Mis5, P105MCM
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Gene Description	minichromosome maintenance complex component 6
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Omim ID	223100 601806
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Gene Ontology	Hyperlink
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Gene Summary

The protein encoded by this gene is one of the highly conserved mini-chromosome maintenance proteins (MCM) that are essential for the initiation of eukaryotic genome replication. The hexameric protein complex formed by the 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. The MCM complex consisting of this protein and MCM2, 4 and 7 proteins possesses DNA helicase activity, and may act as a DNA unwinding enzyme. The phosphorylation of the complex by CDC2 kinase reduces the helicase activity, suggesting a role in the regulation of DNA replication. [provided by RefSeq]

Other Designations

DNA replication licensing factor MCM6|MCM6 minichromosome maintenance deficient 6 (MIS5 homolog, *S. pombe*)|MIS5 homolog|minichromosome maintenance deficient (mis5, *S. pombe*) 6|minichromosome maintenance deficient 6 homolog

Pathway

- [Cell cycle](#)
- [DNA replication](#)

Disease

- [Carcinoma](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Neoplasms](#)
- [Lactose Intolerance](#)
- [Ovarian Neoplasms](#)