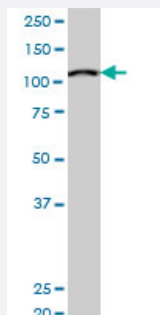


MCM3 monoclonal antibody (M03), clone 3E1

Catalog # H00004172-M03

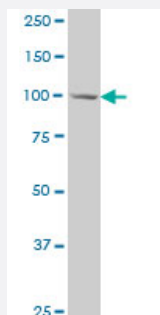
Size 100 ug

Applications



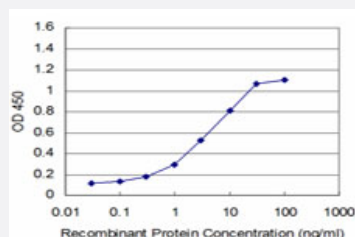
Western Blot (Cell lysate)

MCM3 monoclonal antibody (M03), clone 3E1. Western Blot analysis of MCM3 expression in HeLa S3 NE (Cat # L013V3).



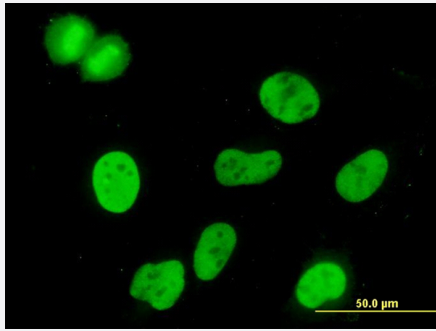
Western Blot (Cell lysate)

MCM3 monoclonal antibody (M03), clone 3E1 Western Blot analysis of MCM3 expression in HeLa (Cat # L013V1).



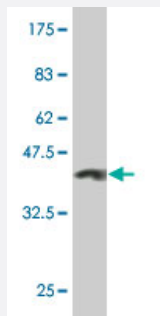
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MCM3 is approximately 0.1ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to MCM3 on HeLa cell. [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (37.84 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant MCM3.
Immunogen	MCM3 (NP_002379, 699 a.a. ~ 808 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	AKDGDSYDPYDFSDTEEEMPQVHTPKTADSQETKESQKVELSESRLKAFKVALLDVFREAHQAQ SIGMNRLTESINRDSEEPFSSVEIQAAALSKMQDDNQVMVSEGIIFLI
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (75); Rat (79)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 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 (Cell lysate)

MCM3 monoclonal antibody (M03), clone 3E1. Western Blot analysis of MCM3 expression in HeLa S3 NE (Cat # L013V3).

[Protocol Download](#)

- Western Blot (Cell lysate)

MCM3 monoclonal antibody (M03), clone 3E1 Western Blot analysis of MCM3 expression in HeLa (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MCM3 is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to MCM3 on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — MCM3

Entrez GeneID [4172](#)

GeneBank Accession# [NM_002388](#)

Protein Accession# [NP_002379](#)

Gene Name MCM3

Gene Alias HCC5, MGC1157, P1-MCM3, P1.h, RLFB

Gene Description minichromosome maintenance complex component 3

Omim ID [602693](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene 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. [provided by RefSeq]

Other Designations

DNA polymerase alpha holoenzyme-associated protein P1|DNA replication factor MCM3|MCM3 minichromosome maintenance deficient 3|OTTHUMP00000016600|cervical cancer proto-oncogene 5|hRlf beta subunit|minichromosome maintenance deficient 3|replication licensin

Pathway

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