



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## MCM4 monoclonal antibody (M01), clone 1A6

Catalog # : H00004173-M01

規格 : [ 100 ug ]

[List All](#)

### Specification

**Product Description:** Mouse monoclonal antibody raised against a partial recombinant MCM4.

**Immunogen:** MCM4 (AAH31061, 267 a.a. ~ 366 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Sequence:** KTKNMRNLNPEDIDQLITISGMVIRTSQLIPEMQEAFQCCQVCAHTTRVEM DRGRIAEPSVCGRCHTTTHSMALIHNRSLFSDKQMIKLQESPEDMPAGQT

**Host:** Mouse

**Reactivity:** Human

**Isotype:** IgG2a Kappa

**Quality Control Testing:** Antibody Reactive Against Recombinant Protein.

**Storage Buffer:** In 1x PBS, pH 7.4

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.


**MSDS:**  [Download](#)

**Datasheet:**  [Download](#)

### Applications

#### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MCM4 is approximately 10ng/ml as a capture antibody.

 [Protocol Download](#)

#### ELISA

### Gene Information

**Entrez GeneID:** [4173](#)

**GeneBank Accession#:** [BC031061](#)

**Protein Accession#:** [AAH31061](#)

**Gene Name:** MCM4

**Gene Alias:** CDC21,CDC54,MGC33310,P1-CDC21,hCdc21

**Gene:** minichromosome maintenance complex component 4

### Application Image

Sandwich ELISA (Recombinant protein)

ELISA

**Description:**

Omim ID: [602638](#)

Gene Ontology: [Hyperlink](#)

**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 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, 6 and 7 proteins possesses DNA helicase activity, and may act as a DNA unwinding enzyme. The phosphorylation of this protein by CDC2 kinase reduces the DNA helicase activity and chromatin binding of the MCM complex. This gene is mapped to a region on the chromosome 8 head-to-head next to the PRKDC/DNA-PK, a DNA-activated protein kinase involved in the repair of DNA double-strand breaks. Alternatively spliced transcript variants encoding the same protein have been reported. [provided by RefSeq]

**Other Designations:** DNA replication licensing factor MCM4, MCM4 minichromosome maintenance deficient 4, homolog of S. pombe cell division cycle 21, minichromosome maintenance deficient 4

**Gene Pathway**

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

**Related Disease**

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