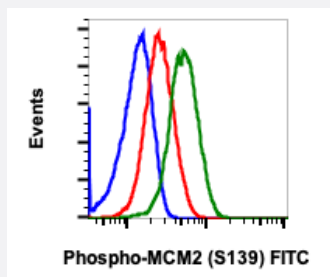


# MCM2 (phospho S139) monoclonal antibody, clone B12 (FITC)

Catalog # MAB23548      Size 100 Reactions

## Applications



### Flow Cytometry

Flow cytometric analysis of C6 cells with MCM2 (phospho S139) monoclonal antibody, clone B12 (FITC) (Cat # MAB23548). Unstained as negative control (blue) or untreated (red) or treated with staurosporine (green).

## Specification

<b>Product Description</b>	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human MCM2.
<b>Immunogen</b>	A synthetic phosphopeptide corresponding to residues surrounding S139 of human MCM2.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Conjugation</b>	FITC
<b>Purification</b>	Protein A/G purification
<b>Isotype</b>	IgG1, kappa
<b>Recommend Usage</b>	Flow Cytometry (5 $\mu$ L/ $10^6$ cells) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, pH 7.4 (0.2% BSA, 0.09% sodium azide).
<b>Storage Instruction</b>	Store at 4°C.

## Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

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## Gene Info — MCM2

Entrez GeneID [4171](#)

Protein Accession# [P49736](#)

Gene Name MCM2

Gene Alias BM28, CCNL1, CDCL1, D3S3194, KIAA0030, MGC10606, MITOTIN, cdc19

Gene Description minichromosome maintenance complex component 2

Omim ID [116945](#)

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 forms a complex with MCM4, 6, and 7, and has been shown to regulate the helicase activity of the complex. This protein is phosphorylated, and thus regulated by, protein kinases CDC2 and CDC7. [provided by RefSeq]

**Other Designations** DNA replication licensing factor MCM2|MCM2 minichromosome maintenance deficient 2, mitotin|cell division cycle-like 1|cyclin-like 1|minichromosome maintenance deficient 2 (mitotin)|nuclear protein BM28

## Pathway

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

## Disease

- [Genetic Predisposition to Disease](#)
- [Ovarian Neoplasms](#)