

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

## 12-4332: Phospho-MCM2 (Ser139) (Clone: B12) rabbit mAb APC conjugate

Clonality: Monoclonal
Clone Name: MCM2S139-B12

**Application:** FACS

**Reactivity:** Human, Mouse, Rat

**Conjugate :** APC

Format: Conjugated

Alternative Name:

DNA replication licensing factor MCM2, Minichromosome maintenance protein 2 homolog,

Nuclear protein BM28, CCNL1, CDCL1, KIAA0030

**Isotype:** Rabbit IgG1k

Immunogen Information: A synthetic phospho-peptide corresponding to residues surrounding Ser139 of human

phospho MCM2

## **Description**

The members of minichromosome maintenance (McM) protein family 2-7 were originally identified as a group of proteins essential for DNA replication (chromosomal maintenance (1,2). They share common sequence homology to each other in their nulceotide-binding domains and are distinct subgroup of the large AAA ATPase family, which are required for the initiation and elongation of DNA replication. It has been reported that Cdc7/Dbf4 phospohrylates MCM2 during G1/S cell cycle which coincides with the initiation of DNA replication (3,4)

## **Product Info**

Amount: 10 Tests / 100 Tests

**Content:** 1X PBS, 0.09% NaN3, 0.2% BSA

**Storage condition :** Store at 2-8°C. Avoid repeated freeze and thaw cycles.

## **Application Note**

For flow cytometric staining, the suggested use of this reagent is 5  $\tilde{A} \square \hat{A} \mu L$  per million cells or 5  $\tilde{A} \square \hat{A} \mu L$  per 100  $\tilde{A} \square \hat{A} \mu L$  of staining volume. It is recommended that the reagent be titrated for optimal performance for each application. See product image legends for additional information.

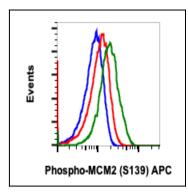


Fig-1: Flow cytometric analysis of C6 cells, untreated and unstained as negative control (blue) or untreated (red) or treated with staurosporine (green) and stained using Phospho-MCM2 (Ser139) antibody MCM2S139-B12 APC conjugate.