

# Anti-MCM5 [A2.7B10.A12.B8]

**Catalogue number:** 151419

**Sub-type:** Primary antibody

**Images:**

## Contributor

**Inventor:**

**Institute:** University of Cambridge

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-MCM5 [A2.7B10.A12.B8]

**Alternate name:**

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** Mini Chromosome Maintenance protein-5 (MCM5) is a component of the prereplicative complex that is essential for DNA replication. MCM proteins 2-7 form a family of DNA helicases implicated at the initiation step of DNA synthesis. MCM5 expression may be applicable in the detection of a number of cancers including cervical, bladder, lung and oesophageal.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:** IgG2b

**Reactivity:** Human

**Selectivity:**

**Host:** Mouse

**Immunogen:** His-tagged human Mcm5 (amino acids 367582)

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** Mini Chromosome Maintenance protein5 (MCM5)

**Target alternate names:**

**Target background:** Mini Chromosome Maintenance protein-5 (MCM5) is a component of the prereplicative complex that is essential for DNA replication. MCM proteins 2-7 form a family of DNA helicases implicated at the initiation step of DNA synthesis. MCM5 expression may be applicable in the detection of a number of cancers including cervical, bladder, lung and oesophageal.

**Molecular weight:**

**Ic50:**

## Applications

**Application:** IF ; WB

**Application notes:**

## Handling

**Format:** Liquid

**Concentration:** 0.9-1.1 mg/ml

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:** PBS with 0.02% azide

**Storage conditions:** -15° C to -25° C

**Shipping conditions:** Shipping at 4° C

## Related tools

**Related tools:**

## References

**References:** Rakotomalala et al. 2008. J Biol Chem. 283(42):28729-40. PMID: 18693245. ; Hepatitis B virus X protein increases the Cdt1-to-geminin ratio inducing DNA re-replication and polyploidy. ; Williams et al. 1998. Proc Natl Acad Sci U S A. 95(25):14932-7. PMID: 9843993. ; Improved cervical smear assessment using antibodies against proteins that regulate DNA replication.

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