

<b>Cat. No:</b>	MAB-94565
<b>Conjugate:</b>	Unconjugated
<b>Size:</b>	100µg
<b>Clone:</b>	MB11
<b>Concentration:</b>	1mg/ml
<b>Host:</b>	Rb
<b>Isotype:</b>	IgG
<b>Immunogen:</b>	Recombinant fusion protein containing a sequence corresponding to amino acids 360-719 of human MCM7
<b>Reactivity:</b>	Hu, Ms
<b>Applications:</b>	Western Blot: 1:500 - 1:2000 Immunofluorescence: 1:50 - 1:200
<b>Molecular Weight:</b>	91kDa
<b>Purification:</b>	Aff. Pur.
<b>Synonyms:</b>	MCM7;CDC47;MCM2;P1.1-MCM3;P1CDC47;P85MCM;PNAS146;PPP1R104
<b>Background:</b>	<p>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 the 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, 4 and 6 proteins possesses DNA helicase activity, and may act as a DNA unwinding enzyme. Cyclin D1-dependent kinase, CDK4, is found to associate with this protein, and may regulate the binding of this protein with the tumorsuppressor protein RB1/RB. Alternatively spliced transcript variants encoding distinct isoforms have been reported.</p>
<b>Form:</b>	Liquid
<b>Buffer:</b>	PBS with 0.02% sodium azide,50% glycerol,pH7.3
<b>Storage:</b>	Store at -20°C. Avoid freeze / thaw cycles

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