

Product datasheet for **AM20639PU-N**

MCM7 Mouse Monoclonal Antibody [Clone ID: M3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	M3
Applications:	IF, WB
Recommended Dilution:	Western Blot: 0.5 - 1 µg/ml. Immunocytochemistry.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody reacts to MCM7.
Formulation:	1.2 % sodium acetate, with 2 mg BSA and 0.01 mg sodium azide as preservative. State: Purified State: Lyophilized purified Ig fraction
Reconstitution Method:	Restore with 1.2% sodium acetate or neutral PBS
Concentration:	0,1 mg/ml (after reconstitution with PBS)
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at -20°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	minichromosome maintenance complex component 7
Database Link:	Entrez Gene 4176 Human P33993



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Background:	Initiation of DNA replication is a complex process involving the concerted action of many proteins. The chromosome 7-linked gene referred to by Nakatsuru et al. (1995) as MCM2 has been designated MCM7. The MCM2-7 complex is comprised of 6 subunits, MCM2 through MCM7, and is a ring-shaped heterohexameric ATPase involved in DNA replication. MCM7 is located in 7q21.3-q22.1
Synonyms:	CDC47, MCM2, CDC47 homolog, P1.1-MCM3
Protein Families:	Transcription Factors
Protein Pathways:	Cell cycle, DNA replication