

Recombinant

DGRmAb®

**MCM4 (DGR32916) Rabbit mAb**

db12303

Package : 10µL 20µL 50µL 100µL

**Product Name** : MCM4 (DGR32916) Rabbit mAb**Cat.No.:** db12303**Synonyms** : NKCD; CDC21; CDC54; IMD54; NKGCD; hCdc21; P1-CDC21**Application** : WB, FC**Reactivity** : Human, Mouse**Host species** : Rabbit**Background**

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 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, 6 and 7 proteins possesses DNA helicase activity, and may act as a DNA unwinding enzyme. The phosphorylation of this protein by CDC2 kinase reduces the DNA helicase activity and chromatin binding of the MCM complex. This gene is mapped to a region on the chromosome 8 head-to-head next to the PRKDC/DNA-PK, a DNA-activated protein kinase involved in the repair of DNA double-strand breaks. Alternatively spliced transcript variants encoding the same protein have been reported. [provided by RefSeq, Jul 2008]

**Immunogen**

A synthetic peptide of human MCM4

**Gene ID**

4173

**Swiss Prot**

P33991

**Synonyms**

NKCD; CDC21; CDC54; IMD54; NKGCD; hCdc21; P1-CDC21

**Reactivity**

Human, Mouse

**Application**

WB, FC

**Recommended dilution**

WB: 1:5000-1:50000

FC: 1:100-1:500

**Calculated MW**

97 kDa

**Observed MW**

97 kDa

**Host species**

Rabbit

Clonality	Monoclonal
Clonality No.	DGR32916
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.
	Western blot detection of MCM4 in Hela,A549,MCF-7,U251 cell lysates using MCM4 antibody(1:1000 diluted).