



Product Information Sheet

Monoclonal Anti-Mcm7- Magnetic Bead Conjugate

Catalogue No. MA1058-M

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Lot No. 08A12

Formulation

Clone: M3

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN₃.

Ig type: mouse IgG1

Storage

Size: 200µl

Store at 4°C for frequent use.

Specificity

Human.

No cross reactivity with other proteins.

Description

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified beads. It is useful for immunoprecipitation.

Recommended application

Immunoprecipitation(IP)

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

REFERENCE

1. Nakatsuru, S.; Sudo, K.; Nakamura, Y. : Isolation and mapping of a human gene (MCM2) encoding a product homologous to yeast proteins involved in DNA replication. *Cytogenet. Cell Genet.* 68: 226-230, 1995.
2. Pacek, M.; Tutter, A. V.; Kubota, Y.; Takisawa, H.; Walter, J. C. : Localization of MCM2-7, Cdc45, and GINS to the site of DNA unwinding during eukaryotic DNA replication. *Molec. Cell* 21: 581-587, 2006.