



## Product Information Sheet

### Monoclonal Anti-Cyclin D1 - conjugated to Magnetic Beads

**Catalogue No.** MA1033-M

**Immunogen**

Recombinant human cyclin D<sub>1</sub> protein.

**Lot No.** 08A12

**Purification**

Purified by the goat anti-mouse IgG affinity chromatography.

**Clone:** CY-D1

**Ig type:** mouse IgG2a

**Formulation**

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN<sub>3</sub>.

**Size:** 200µl

**Specificity**

Human, mouse, rat.

No cross reactivity with other proteins.

**Storage**

Store at 4°C for frequent use.

**Recommended application**

*Immunoprecipitation(IP)*

**Description**

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

### BACKGROUND

D-type cyclins (cyclins D1, D2, and D3) are regarded as essential links between cell environment and the core cell cycle machinery. CyclinD1(CCND1), also known as BCL1. Expression of cyclin D1, but not of cyclins A and E, was induced by transfection of the RB gene into RB-deficient tumor cells. CCND1 gene to 11q13. cyclin D1 gene can function as an oncogene. Cyclin D1 expression is regulated by the retinoblastoma protein.

### REFERENCE

1. Rosenberg, C. L.; Kim, H. G.; Shows, T. B.; Kronenberg, H. M.; Arnold, A. : Rearrangement and overexpression of D11S287E, a candidate oncogene on chromosome 11q13 in benign parathyroid tumors. *Oncogene* 6: 449-453, 1991.
2. Muller, H.; Lukas, J.; Schneider, A.; Warthoe, P.; Bartek, J.; Eilers, M.; Strauss, M. : Cyclin D1 expression is regulated by the retinoblastoma protein. *Proc. Nat. Acad. Sci.* 91: 2945-2949, 1994.
3. Hinds, P. W.; Dowdy, S. F.; Eaton, E. N.; Arnold, A.; Weinberg, R. A. : Function of a human cyclin gene as an oncogene. *Proc. Nat. Acad. Sci.* 91: 709-713, 1994.

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