



## Product Information Sheet

### Monoclonal Anti-p19<sup>INK4d</sup> (Sephacrose Bead Conjugate)

**Catalogue No.** MA1075-S

**Immunogen**

Recombinant human p19<sup>INK4d</sup>.

**Lot No.** 08A12

**Purification**

**Clone:** IMD-19

Purified by the goat anti-mouse IgG affinity chromatography.

**Ig type:** mouse IgG2a

**Formulation**

50% slurry in PBS pH 7.2 with 0.01mg NaN<sub>3</sub> preservative.

**Size:** 200µl

**Storage**

Store at 4°C for frequent use.

**Specificity**

Human.

No cross reactivity with other proteins.

**Description:**

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sephacrose beads. It is useful for immunoprecipitation assays

**Recommended application**

*Immunoprecipitation(IP)*

**BACKGROUND**

Cyclins are important in regulating the cell cycle through their formation of enzymatic complexes with various cyclin-dependent kinases. P19(INK4d) also known as cyclin-dependent kinase inhibitor 2D, is one of the novel members of the mouse INK4 gene family. Okuda et al. (1995) described the cloning of the human INK4d gene (CDKN2D). The predicted 166-amino acid protein is 86% identical to the mouse protein and about 45% identical to other human INK4 family members.

**REFERENCE**

1. Hirai, H.; Roussel, M. F.; Kato, J.-Y.; Ashmun, R. A.; Sherr, C. J. : Novel INK4 proteins, p19 and p18, are specific inhibitors of cyclin D-dependent kinases CDK4 and CDK6. *Molec. Cell. Biol.* 15: 2672-2681, 1995. 2. tsuzaki, Y.; Miyazawa, K.; Yokota, T.; Hitomi, T.; Yamagishi, H.; Sakai, T. : Molecular cloning and characterization of the human p19(INK4d) gene promoter. *FEBS Lett.* 517: 272-276, 2002.

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