



Product Information Sheet

Monoclonal Anti-p16^{INK4a/CDKN2} (Sephacose Bead Conjugate)

Catalogue No. MA1074-S

Immunogen

Recombinant human p16 protein

Lot No. 08A12

Purification

Clone: IMD-16

Purified by the goat anti-mouse IgG affinity chromatography.

Ig type: mouse IgG2a

Formulation

50% slurry in PBS pH 7.2 with 0.01mg NaN₃ 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 sephacose beads. It is useful for immunoprecipitation assays

Recommended application

Immunoprecipitation(IP)

BACKGROUND

p16(INK4A), also known as cyclin-dependent kinase inhibitor 2A(CDKN2A), or multiple tumor suppressor 1(MTS1). The p16 gene (CDKN2A) was mapped to 9p21. The p16 gene encodes a negative regulator of the cell cycle. CDKN2 plays an important role during tumorigenesis or tumor progression in a significant proportion of pancreatic adenocarcinomas. Germ-line mutations in the CDKN2A tumor-suppressor gene have been linked to the development of melanoma in some families with inherited melanoma.

REFERENCE

1. Stone, S.; Jiang, P.; Dayananth, P.; Tavtigian, S. W.; Katcher, H.; Parry, D.; Peters, G.; Kamb, A. : Complex structure and regulation of the p16(MTS1) locus. *Cancer Res.* 55: 2988-2994, 1995.
2. Monzon, J.; Liu, L.; Brill, H.; Goldstein, A. M.; Tucker, M. A.; From, L.; McLaughlin, J.; Hogg, D.; Lassam, N. J. : CDKN2A mutations in multiple primary melanomas. *New Eng. J. Med.* 338: 879-887, 1998.
3. Bartsch, D.; Shevlin, D. W.; Tung, W. S.; Kisker, O.; Wells, S. A., Jr.; Goodfellow, P. J. : Frequent mutations of CDKN2 in primary pancreatic adenocarcinomas. *Genes Chromosomes Cancer* 14: 189-195, 1995

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