



Product Information Sheet

Monoclonal Anti-CDK6

Catalogue No. MA1021

Immunogen

Recombinant human Cdk6 protein.

Lot No. 08A12

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Clone: IML-6

Ig type: mouse IgG1

Application

Western blot

Size: 100µg/vial

At 0.5-1µg/ml with the appropriate system to detect Cdk6 in cells and tissues.

Specificity

Human, mouse, rat.

No cross reactivity with other proteins.

Immunocytochemistry

Suitable

Other applications have not been tested.

Optimal dilutions should be determined by end user.

Recommended application

Western blot

Immunocytochemistry

Formulation

Lyophilized from 1.2% sodium acetate, with 2mg BSA and 0.01mg Na₃ as preservative.

Reconstitution

1.2% sodium acetate or neutral PBS. If 1ml of PBS is used, the antibody concentration will be 100µg/ml.

To reorder contact us at:

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Toll Free: 1(866)964-2589

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Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for longer time.

BACKGROUND

The cyclin-dependent protein kinases (CDKs) regulate major cell cycle transitions in eukaryotic cells. Cyclin-dependent kinase-6 (CDK6) is the earliest inducible member of the CDK family in human T lymphocytes, involved in growth factor stimulation and cell cycle progression. germline mutations in CDK6 do not make a significant contribution to melanoma predisposition. CDK6 gene is mapped at 7q21-q22.

REFERENCE

1. Chilosi, M.; Doglioni, C.; Yan, Z.; Lestani, M.; Menestrina, F.; Sorio, C.; Benedetti, A.; Vinante, F.; Pizzolo, G.; Inghirami, G. : Differential expression of cyclin-dependent kinase 6 in cortical thymocytes and T-cell lymphoblastic lymphoma/leukemia. *Am. J. Path.* 152: 209-217, 1998.

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC AND CLINICAL USE.

2. Shennan, M. G.; Badin, A.-C.; Walsh, S.; Summers, A.; From, L.; McKenzie, M.; Goldstein, A. M.; Tucker, M. A.; Hogg, D.; Lassam, N. : Lack of germline CDK6 mutations in familial melanoma. *Oncogene* 19: 1849-1852, 2000.
- 3 Lien, H.-C.; Lin, C.-W.; Huang, P.-H.; Chang, M.-L.; Hsu, S.-M. : Expression of cyclin-dependent kinase 6 (cdk6) and frequent loss of CD44 in nasal-nasopharyngeal NK/T-cell lymphomas: comparison with CD56-negative peripheral T-cell lymphomas. *Lab. Invest.* 80: 893-900, 2000.