

## Product datasheet

anti-Cyclin-Dependent Kinase 4 mouse monoclonal, DCS-35, lyophilized, purified

### Short overview

|                      |   |
|----------------------|---|
| <b>Cat. No.</b>      | 61095   |
| <b>Quantity</b>      | 50 µg   |
| <b>Concentration</b> | 50 µg/ml after reconstitution with 1 ml dist. water |

### Product description

|                                      |  |
|--------------------------------------|--|
| <b>Host</b>                          | Mouse  |
| <b>Antibody Type</b>                 | Monoclonal   |
| <b>Isotype</b>                       | IgG1   |
| <b>Clone</b>                         | DCS-35   |
| <b>Immunogen</b>                     | Human recombinant full-length cdk4 polypeptide   |
| <b>Formulation</b>                   | Lyophilized; reconstitute in 1 ml dist. water (final solution contains 0.09% sodium azide, 0.5% BSA in PBS buffer, pH 7.4) |
| <b>UniprotID</b>                     | P11802 (Human),P30285 (Mouse),P79432 (Pig),P35426 (Rat)  |
| <b>Synonym</b>                       | Cyclin-dependent kinase 4, EC 2.7.11.22, Cell division protein kinase 4, PSK-J3, CDK4                                      |
| <b>Conjugate</b>                     | Unconjugated   |
| <b>Purification</b>                  | Affinity chromatography  |
| <b>Storage before reconstitution</b> | 2-8°C until indicated expiry date  |
| <b>Storage after reconstitution</b>  | Up to 3 months at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles                                  |
| <b>Intended use</b>                  | Research use only  |
| <b>Application</b>                   | IP, WB   |
| <b>Reactivity</b>                    | Human, Mouse, Pig, Rat   |

### Applications

|                                 |                 |
|---------------------------------|-----------------|
| <b>Immunoprecipitation (IP)</b> | 1:3-1:10        |
| <b>Western Blot (WB)</b>        | Assay dependent |

### Background

DCS-35 reacts specifically with cdk4 protein present predominantly in G1 phase of cell cycle; it does not cross-react with cyclins. Especially suitable for immunoprecipitation, mab DCS-35 precipitates the cdk4/cyclin complex (epitope localization: aa 1-20).

### Product images



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## References

| Publication   | Species | Application |
|---|---------|-------------|
| <a href="#">Lukas, C., Jensen, S. K., Bartkova, J., Lukas, J. &amp; Bartek, J. Immunohistochemical analysis of the D-type cyclin-dependent kinases Cdk4 and Cdk6, using a series of monoclonal antibodies. Hybridoma 18, 225â€“34 (1999).</a> | human   | IP          |