

## Product datasheet

anti-Cyclin-Dependent Kinase 4 mouse monoclonal, DCS-156, lyophilized, purified

### Short overview

<b>Cat. No.</b>	61096
<b>Quantity</b>	50 µg
<b>Concentration</b>	50 µg/ml after reconstitution with 1ml dist. water

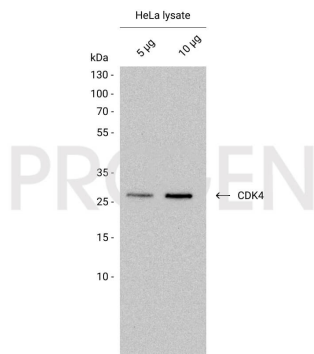
### Product description

<b>Host</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Isotype</b>	IgG1
<b>Clone</b>	DCS-156
<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),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>	WB
<b>Reactivity</b>	Human, Mouse, Rat

### Background

DCS-156 reacts specifically with cdk4 protein present predominantly in G1 phase of cell cycle; it does not cross-react with cyclins. In immunohistochemical application on frozen sections of head and neck carcinoma (oropharynx and hypopharynx carcinoma) and cervix DCS-156 shows distinct nuclear staining, especially in tumor areas of enhanced proliferation. Epitope recognized: aa 270-290.

### Product images



Western blot analysis of human HeLa cell lysate with anti-Cyclin-Dependent Kinase 4 antibody. Western blot analysis was performed on either 5 µg or 10 µg of HeLa lysate. Cells were lysed in PBS by homogenization. The PVDF membrane was blocked with 5% dry milk in PBST for 1 h at RT. The primary antibody anti-Cyclin-Dependent Kinase 4 mouse monoclonal, DCS-156 (Cat. No. 690096) was diluted in blocking buffer (antibody concentration 0.5 µg/ml) and incubated for 1 h at RT. The secondary antibody goat anti-mouse IgG polyclonal, HRP conjugate was also diluted in blocking buffer (antibody concentration 0.2 µg/ml) and incubated for 1 h at RT. The bands were visualized by chemiluminescent detection using Pierce™ ECL Western Blotting Substrate.

## 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,mouse	WB,IHC (paraffin),ICC-IF