

## Product datasheet

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

### Short overview

**Cat. No.** 61096\_1  
**Concentration** 50 µg/ml after reconstitution with 1ml dist. water

### Product description

**Clone** DCS-156  
**Immunogen** Human recombinant full-length cdk4 polypeptide  
**Formulation** Lyophilized; reconstitute in 1 ml dist. water (final solution contains 0.09% sodium azide, 0.5% BSA in PBS buffer, pH 7.4)  
**UniprotID** P11802 (Human),P30285 (Mouse),P35426 (Rat)  
**Synonym** Cyclin-dependent kinase 4, EC 2.7.11.22, Cell division protein kinase 4, PSK-J3, CDK4

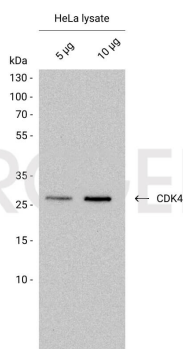
### Applications

**Western Blot (WB)** 1:50-1:500 (0.1-1 µg/ml)

### 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