

### 39-1019: Anti-CDK4 Monoclonal Antibody (Clone: DCS-31)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	DCS-31
<b>Application :</b>	WB,ICC
<b>Reactivity :</b>	Human
<b>Gene :</b>	CDK4
<b>Gene ID :</b>	1019
<b>Uniprot ID :</b>	P11802
<b>Alternative Name :</b>	Cell division protein kinase 4, PSK-J3
<b>Isotype :</b>	Mouse IgG2a
<b>Immunogen Information :</b>	Recombinant human Cdk4 protein.

#### Description

Cyclin-dependent kinase-4(CDK4) is a protein-serine kinase involved in the cell cycle. Human cell division is regulated primarily at the G1-to-S or the G2-to-M boundaries within the cell cycle. The complexes formed by CDK4 and the D-type cyclins are involved in the control of cell proliferation during the G1 phase. CDK4 is inhibited by p16, also known as cyclin-dependent kinase inhibitor-2. CDK4 is mapped to 12q14. CDK4 expression and activity are required for cytokine responsiveness in T cells.

#### Product Info

<b>Amount :</b>	100 µg/vial
<b>Purification :</b>	Ascites
<b>Content :</b>	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN <sub>3</sub> as preservative. Reconstitute : Add 1ml of PBS buffer will yield a concentration of 100ug/ml.
<b>Storage condition :</b>	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 a longer time. Avoid repeated freezing and thawing.

#### Application Note

Western blot : 0.5-1 µg/ml; Immunocytochemistry : 1 µg/ml