

# CDK4 Monoclonal Antibody (DCS-35), Biotin

Product Details	
Size	500 µL
Species Reactivity	Human, Mouse, Pig, Rat
Published Species	Rat, Mouse, Human
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	DCS-35
Conjugate	Biotin
Immunogen	Purified recombinant cdk4 protein
Form	Liquid
Concentration	0.2 mg/mL
Purification	Protein G
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_10980320

Applications	Tested Dilution	Publications
Western Blot (WB)	1-2 µg/mL	11 Publications
Immunohistochemistry (IHC)	-	1 Publication
Immunocytochemistry (ICC/IF)	Assay-dependent	-
ELISA (ELISA)	-	1 Publication
Immunoprecipitation (IP)	2 µg/mL	5 Publications

## Product Specific Information

MA5-12981 targets Cdk4 in IF, IP, and WB applications and shows reactivity with Human, mouse, Porcine, and Rat samples.

The MA5-12981 immunogen is purified recombinant cdk4 protein.

## Product Images For CDK4 Monoclonal Antibody (DCS-35), Biotin

### CDK4 Antibody (MA5-12981) in WB

Western blot of Cdk4 using Cdk4 Monoclonal Antibody (Product # MA5-12981) on MAD109 Cells.

kDa

133-

71-

41-

30-

-Cdk4

Western Blot  
Mouse Cells-1

### CDK4 Antibody (MA5-12981) in IP

Immunoprecipitation of Cdk4 using Cdk4 Monoclonal Antibody (Product # MA5-12981) on Native Mouse MAD109 Cells.

## Native IP

kDa

71-

41-

30-

18-



-Cdk4

IP/Western Blot  
Mouse Cells-1

## Western Blot (11)

<p><b>Biochemical and biophysical research communications</b></p> <p><b>The APC/C activator Cdh1 regulates the G2/M transition during differentiation of placental trophoblast stem cells.</b></p> <p>"MA5-12981 was used in western blot to study the role of Cdh1 in regulating G2/M transition during placental differentiation"</p> <p>Authors: Naoe H,Chiyoda T,Ishizawa J,Masuda K,Saya H,Kuninaka S</p>	<p><b>Year</b> 2013</p> <p><b>Species</b> Mouse</p>
<p><b>Pathology oncology research : POR</b></p> <p><b>Menthol inhibits the proliferation and motility of prostate cancer DU145 cells.</b></p> <p>"MA5-12981 was used in western blot to study the effects of TRPM8 activation on prostate cancer cell proliferation and migration"</p> <p>Authors: Wang Y,Wang X,Yang Z,Zhu G,Chen D,Meng Z</p>	<p><b>Year</b> 2012</p> <p><b>Species</b> Human</p>

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## Immunohistochemistry (1)

<p><b>International journal of cancer</b></p> <p><b>p53, p16 and cyclin D1: molecular determinants of radiotherapy treatment response in oral carcinoma.</b></p> <p>"MA5-12981 was used in immunohistochemistry to study the molecular determinants of the response to radiotherapy in oral carcinoma"</p> <p>Authors: Jayasurya R,Francis G,Kannan S,Lekshminarayanan K,Nalinakumari KR,Abraham T,Abraham EK,Nair MK</p>	<p><b>Year</b> 2004</p> <p><b>Species</b> Human</p>
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## ELISA (1)

<p><b>Arthritis and rheumatism</b></p> <p><b>Autoimmune responses to proliferating cell nuclear antigen multiprotein complexes involved in cell proliferation are strongly associated with their structure and biologic function in patients with systemic lupus erythematosus.</b></p> <p>"MA5-12981 was used in ELISA to study the mechanism of autoimmune responses to PCNA and its associated proteins in systemic lupus erythematosus"</p> <p>Authors: Kogure T,Takasaki Y,Takeuchi K,Yamada H,Nawata M,Ikeda K,Matsushita M,Matsudaira R,Kaneda K,Terasawa K,Hashimoto H</p>	<p><b>Year</b> 2002</p> <p><b>Species</b> Human</p> <p><b>Dilution</b> 5.0 µg/mL</p>
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## IP (5)

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