

Cyclin D3 Monoclonal Antibody (DCS-22)

Product Details

Size	500 µL
Species Reactivity	Human, Mouse, Non-human primate, Rat
Published Species	Dog, Rat, Human, Mouse
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	DCS-22
Conjugate	Unconjugated
Immunogen	Purified human recombinant full length cyclin D3 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_10981099

Applications	Tested Dilution	Publications
Western Blot (WB)	1 µg/mL	14 Publications
Immunohistochemistry (IHC)	-	8 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:25	-
Immunocytochemistry (ICC/IF)	-	3 Publications
Immunoprecipitation (IP)	2 µg/mL	2 Publications
in situ PLA (PLA)	-	1 Publication
RNA Immunoprecipitation (RIP)	-	1 Publication
Miscellaneous PubMed (Misc)	-	1 Publication

Product Specific Information

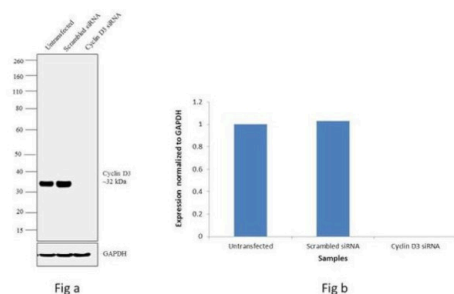
MA5-12717 targets Cyclin D3 in FACS, IF, IHC (P), IP, and WB applications and shows reactivity with Human, mouse, Non-human primate, and Rat samples.

The MA5-12717 immunogen is purified human recombinant full length cyclin D3 protein.

Product Images For Cyclin D3 Monoclonal Antibody (DCS-22)

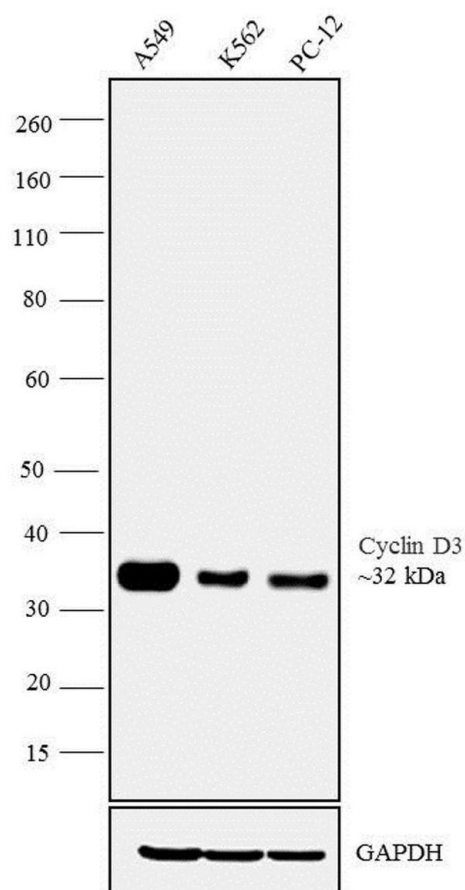
Cyclin D3 Antibody (MA5-12717)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. A549 cells were transfected with Cyclin D3 siRNA and loss of signal was observed in Western Blot using Anti-Cyclin D3 Monoclonal Antibody (Product # MA5-12717). {KD}



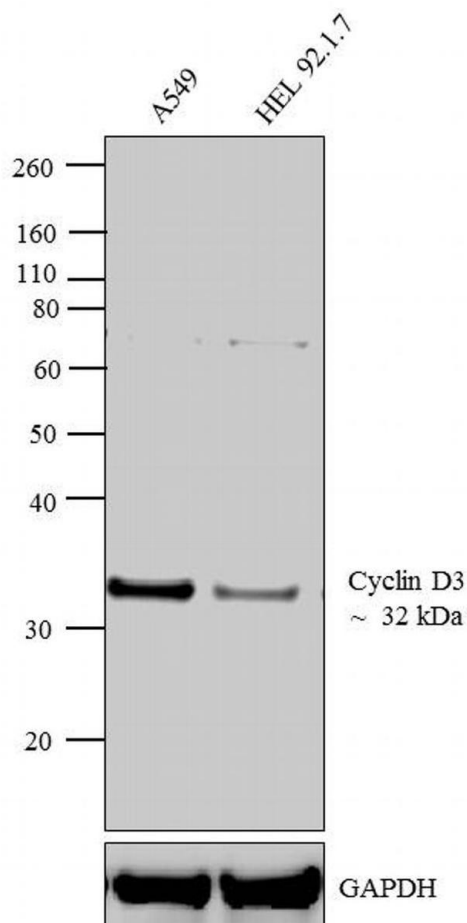
Cyclin D3 Antibody (MA5-12717) in WB

Western blot analysis was performed on modified whole cell extracts (1% SDS) of A549 (Lane 1), K562 (Lane 2) and PC-12 (Lane 3). The blot was probed with Anti-Cyclin D3 antibody (Product # MA5-12717, 1 µg/mL) and detected by chemiluminescence using Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate (Product # A28177, 0.25 µg/mL, 1:4000 dilution). A 32 kDa band corresponding to Cyclin D3 was observed across the cell lines tested.



Cyclin D3 Antibody (MA5-12717) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of A549 (Lane 1) and HEL 92.1.7 (Lane 2). The blots were probed with Anti-Cyclin D3 Mouse Monoclonal Antibody (Product # MA5-12717, 1:500-1:2000 dilution) and detected by chemiluminescence using Goat anti-Mouse IgG (H+L) Secondary Antibody, HRP conjugate (Product # 62-6520, 1:4000 dilution). A 32 kDa band corresponding to Cyclin D3 was observed across cell lines tested. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 10 % Bis-Tris gel (Product # NP0302BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then onto a transferred onto a nitrocellulose membrane with iBlot® 2 Dry Blotting System (Product # IB21001). The membrane was probed with the relevant primary and secondary Antibody following blocking with 5 % skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).



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Western Blot (14)

<p>Pigment cell & melanoma research</p> <p>Inhibition of mutant BRAF splice variant signaling by next-generation, selective RAF inhibitors.</p> <p>"MA5-12717 was used in western blot to study the ability of next-generation RAF inhibitors to inhibit signaling mediated by splice variants of mutant BRAF"</p> <p>Authors: Basile KJ,Le K,Hartsough EJ,Aplin AE</p>	<p>Year 2014</p> <p>Species Human</p>
<p>PLoS genetics</p> <p>CDK4 T172 phosphorylation is central in a CDK7-dependent bidirectional CDK4/CDK2 interplay mediated by p21 phosphorylation at the restriction point.</p> <p>"MA5-12717 was used in western blot to study the roles CDK7 and p21 in regulating the T172 phosphorylation of CDK4 at the restriction point"</p> <p>Authors: Bisteau X,Paternot S,Colleoni B,Ecker K,Coulonval K,De Groote P,Declercq W,Hengst L,Roger PP</p>	<p>Year 2013</p> <p>Species Human</p>

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Immunohistochemistry (8)

<p>Journal of cellular physiology</p> <p>Alteration of G1/S transition regulators influences recurrences in head and neck squamous carcinomas.</p> <p>"MA5-12717 was used in immunohistochemistry to study the role of the G1/S transition regulators in the recurrence of head and neck squamous carcinomas"</p> <p>Authors: Canzonieri V,Barzan L,Franchin G,Vaccher E,Talamini R,Sulfaro S,Baldassarre G</p>	<p>Year 2012</p> <p>Species Human</p>
<p>BMC developmental biology</p> <p>-catenin/cyclin D1 mediated development of suture mesenchyme in calvarial morphogenesis.</p> <p>"MA5-12717 was used in immunohistochemistry to investigate the role of beta-catenin/cyclin D1 during calvarial morphogenesis"</p> <p>Authors: Mirando AJ,Maruyama T,Fu J,Yu HM,Hsu W</p>	<p>Year 2010</p> <p>Species Mouse</p>

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More applications with references on thermofisher.cn

- ICC/IF (3)
- IP (2)
- PLA (1)
- RIP (1)
- Misc (1)

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