Product datasheet

anti-Cyclin D3 mouse monoclonal, DCS-22, lyophilized, purified

Short overview

Cat. No.	61064
Quantity	50 µg
Concentration	50 µg/ml after reconstitution with 1 ml dist. water

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	DCS-22
Immunogen	Human recombinant cyclin D3 protein
Formulation	Lyophilized; reconstitute in 1 ml dist. water (final solution contains 0.09% sodium azide, 0.5% BSA in PBS buffer, pH 7.4)
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage before reconstitution	2-8°C until indicated expiry date
Storage after reconstitution	Up to 3 months at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	IHC, WB
Reactivity	Human, Monkey, Mouse

Applications

Immunohistochemistry (IHC) - frozen	1:20-1:50
Immunohistochemistry (IHC) - paraffin	1:20-1:50 (microwave treatment recommended)
Western Blot (WB)	Assay dependent

Background

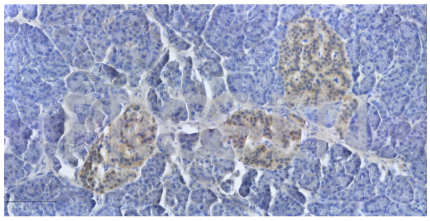
DCS-22 reacts specifically with cyclin D3.

The antibody is useful for analysis of proliferation, detection of cyclin D3 on tissue sections (suspected oncogene) and in cell cycle studies.

The antibody does not cross-react with cyclin D1 and cyclin D2.

Complementary reaction to the anti-cyclin D1/D2 antibodies.

Product images



IHC analysis of human endocrine epithelial cells of the islets of Langerhans of the pancreas using anti-Cyclin D3 antibody (Cat. No. 61064). IHC was performed on formalin fixed paraffin embedded sections. The samples were deparaffinized with xylol and ethanol followed by heat induced antigen retrieval with 10 mM citrate buffer. After preparation the tissue was blocked with normal serum for 20 min at RT. The primary antibody anti-Cyclin D3 (Cat. No. 61064) was diluted in PBS (antibody concentration 2.5 µg/ml) and incubated at 4°C over-night. The secondary antibody ImmPRESS HRP anti-mouse IgG was incubated for 20 min at RT. Slides were incubated with DAB solution until a brown staining is visable and with Haemalaun for a few minutes. The 10x picture was acquired using microscopy (courtesy of J.Hess, University Hospital Heidelberg).

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References

Publication	Species	Application
Bartkova, J., Zemanova, M. & Bartek, J. Abundance and subcellular localisation of cyclin D3 in human tumours. Int. J. cancer 65, 323â€“7 (1996).	human	WB,ICC-IF