Mouse Anti-Cyclin D1 [DCS-6]: MC0732, MC0732RTU7

Intended Use: For Research Use Only

Description: Cyclin D1 belongs to the Cyclin D family. Cyclin D1 is required for the cell cycle G1/S transition. Amplification or overexpression of cyclin D1 plays a pivotal role in the development of various human cancers including breast cancer, colon cancer, melanoma, prostate cancer and lymphoma. It is useful to differentiate mantle cell lymphoma from small cleaved cell lymphoma. Rabbit monoclonal antibodies to cyclin D1 showed the highest sensitivity to detect this antigen in formalin fixed paraffin embedded tissue as compared to several other clones.

Specifications:

Clone:	DCS-6
Source:	Mouse
Isotype:	IgG2a/k
Reactivity:	Human, mouse, rat
Localization:	Nucleus
Formulation:	Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3).
Storage:	Store at 2°- 8°C.
Applications:	IHC, Flow Cyt., IF, WB

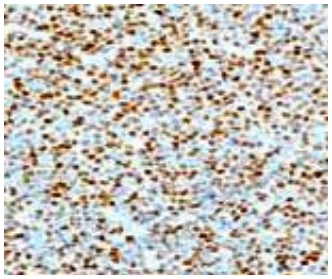
Package:

Description	Catalog No.	Size
Cyclin D1 Concentrated	MC0732	1 ml
Cyclin D1 Prediluted	MC0732RTU7	7 ml

IHC Procedure*:

Positive Control Tissue:	Tonsil, breast ca, lymphoma
Concentrated Dilution:	50-200
Pretreatment:	EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human mantle cell lymphoma stained with anti-Cyclin D1 using DAB

References:

1. Expression of Cyclin D1 and P16 in Esophageal Squamous Cell Carcinoma. Dey B, et al. Middle East J Dig Dis. Oct;7(4):220-5, 2015.
2. Immunohistochemical expression of cyclin D1 is higher in supratentorial ependymomas and predicts relapses in gross total resection cases. de Andrade FG, wr L. Neuropathology. Aug;35(4):312-23, 2015.
3. Cyclin D1 harboring the T286I mutation promotes oncogenic activation in endometrial cancer. Ikeda Y, et al. Oncol Rep. Aug;30(2):584-8, 2013.

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