Product: **Anti-Cyclin D1 Protein**
Catalog #: **03-61053**
Amount: **200 ml**

CATEGORY:	**Mouse** monoclonal
CLONE DETERMINATION:	DCS-6
IMMUNOGLOBULIN CLASS:	IgG2a
IMMUNOGEN:	Human recombinant full-length cyclin D1 protein
PURIFICATION:	SpAss Protein A affinity chromatrography
ANTIGEN RECOGNIZED IN SPECIES:	human, monkey, rat, mouse
SPECIAL NOTE:	DCS-6 reacts specifically with cyclin D1 protein present predominantly in G1 phase of cell cycle; it does not crossreact with D2 or D3 cyclins (the closest relatives within the cyclin family); mab DCS-6 is especially useful in tumor diagnosis: it can be used as fast method to identify cases with 11q13 amplifications.Cyclin D1 gene is identical with BCL-1 and the PRAD-1 oncogene and is part of the chromosome 11q13 amplicon which is amplified in several common tumor types like breast, lung, esophagus, urinary bladder and head and neck carcinoma.
APPLICATION:	Immunohistochemistry, suitable for frozen and paraffin embedded tissue and cultured cells (however, only sections fixed in methacarn, ethanol or phenol formalin, does only weakly react with routine formol-fixed paraffin sections) Immunoblotting (Western) Immunoprecipitation Microinjection/in vitro neutralization of cyclin D1 function
POLYPEPTIDE REACTING:	MR 36,000 polypeptide (cyclin D1 polypeptide of human cells)
DISORDERS SPECIFICALLY DETECTED:	Several common tumor types like breast, lung, esophagus, urinary bladder and head and neck carcinoma
WORKING DILUTION:	dilute further 1:10 with PBS pH 7.2
INCUBATION TIME:	1 hour at room temperature
STORAGE:	2-8°C for immediate use, or at -20°C (aliquot)

REFERENCES:
Lukas, J. ET AL. (1994) Oncogene **4**: 707-718.
Bartkova, J.ET AL. (1994)J. Pathol. **172**: 237-245.
Bartkova, J. et al. (1994) Int. J. Cancer **57**:353-361.
Mueller, H.et al. (1994) Proc. Natl. Acad. Sci. USA, **91**:2945.
Lukas, J.et al. . (1994) J. CellBiol **125** (3): 625-638.

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