

Cyclin D1 clone CCND1/3370R

Rabbit Monoclonal Antibody

Instruction for Use

Specification:

Recognizes a protein of 36kDa, identified as Cyclin D1, one of the key cell cycle regulators, is a putative protooncogene overexpressed in 2 wide varieties of human neoplasms. This antibody neutralizes the activity of Cyclin D1 in vivo. About 60% of mantle cell lymphomas (MCL) contain a (11;14)(q13;32) translocation resulting in over-expression of cyclin D1. This antibody is useful in identifying mantle cell lymphomas from CLL/SLL and follicular lymphomas. Occasionally, hairy cell leukemia and plasma cell myeloma weakly express Cyclin D1.

Availability:

Catalog No.	Contents	Volume
ILM3370-C01	CD274	0,1 ml concentrate
ILM3370-C05	CD274	0,5 ml concentrate
ILM3370-C1	CD274	1,0 ml concentrate

Intended use: For Research Use Only

Reactivity: Human

Clone: CCND1/3370R

Species of origin: Rabbit

Isotype: IgG

Gene ID: 595

SwissProt: P24385

Unigene: 523852 & 667996

Control Tissue: Human mantle cell lymphoma, breast or bladder carcinomas

Staining: Nuclear

Immunogen: A synthetic peptide corresponding to residues within aa 270-295 of Cyclin D1

Presentation: Bioreactor Concentrate with 0.05% Azide

Application and suggested dilutions:

Pre-treatment: Heat induced epitope retrieval in 10 mM citrate buffer pH6.0 for 20 minutes is required for IHC staining on formalin-fixed, paraffin embedded tissue sections.

- Immunohistochemical staining of formalin-fixed, paraffin embedded tissue section (dilution 1:50-1:100)

The optimal dilution for a specific application should be determined by the investigator.

Note: Dilution of the antibody in 10% normal goat serum followed by a Goat anti-Rabbit secondary antibody-based detection is recommended.

Storage & Stability: Store at 2-8 °C. Do not use after expiration date printed on the vial.