

## CCND1 monoclonal antibody

Catalog: MB23017

Host: Mouse

Reactivity: Human, Mouse

### BackGround:

The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance throughout the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. This cyclin forms a complex with and functions as a regulatory subunit of CDK4 or CDK6, whose activity is required for cell cycle G1/S transition. This protein has been shown to interact with tumor suppressor protein Rb and the expression of this gene is regulated positively by Rb. Mutations, amplification and overexpression of this gene, which alters cell cycle progression, are observed frequently in a variety of human cancers.

### Product:

Purified antibody in PBS with 0.05% sodium azide

### Molecular Weight:

33.7kDa

### Swiss-Prot:

P24385

### Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB:1/500 - 1/2000    FC:1/200-1/400

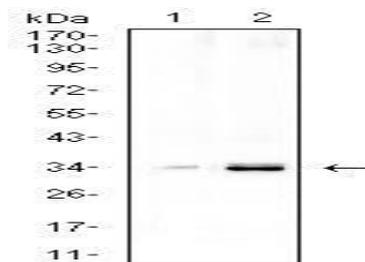
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

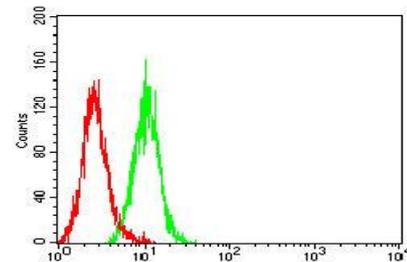
### Isotype:

Mouse IgG1

### DATA:



Western blot analysis using CCND1 mouse mAb against LNCAP (1), and NIH/3T3 (2) cell lysate.



Flow cytometric analysis of HeLa cells using CCND1 mouse mAb (green) and negative control (red).

### Note:

For research use only, not for use in diagnostic procedure.

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