

## Cyclin D1 monoclonal Antibody

Catalog: BS65502

Host: Rabbit

Reactivity: Human

### 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 tumors and may contribute to tumorigenesis.

### Product:

0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

### Molecular Weight:

~34 kDa

### Swiss-Prot:

P25322

### Purification&Purity:

affinity purified by Protein A

### Applications:

WB=1:500-2000 IHC-P=1:50-200

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

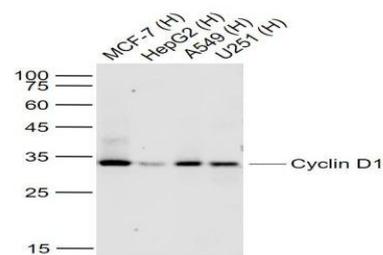
### Storage&Stability:

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

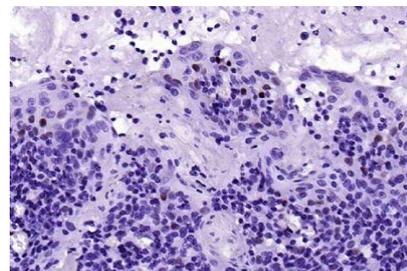
### Specificity:

Cyclin D1 monoclonal Antibody detects endogenous levels of Cyclin D1 protein.

### DATA:



Western blot (WB) analysis of Cyclin D1 monoclonal antibody at 1:1000 dilution.



Immunohistochemistry of paraffin-embedded human tonsil tissue using Cyclin D1 monoclonal antibody at dilution of 1:200.

### Note:

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

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