# Mouse anti Cyclin D1 Monoclonal Antibody

**Alternative Name(s): nan**

**Order Information**

- **Description:** Cyclin D1
- **Catalogue:** 604-810
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** 72-13G
- **Application:** IHC(P), WB
- **Reactivity:** Hu

## ANTIGEN PREPARATION

A recombinant protein of human Cyclin D1

## BACKGROUND

Cyclin D1, which forms a complex with CDK4 and CDK6, plays central roles in cell cycle transition from G1 to S phase. It also participates in the induction of cellular migration and invasion, enhancement of angiogenesis, inhibition of mitochondrial metabolism, regulation of transcription factor signaling via DNA binding, induction of chromosomal instability, enhancement of DNA damage sensing, and DNA damage repair. The activation of the cyclin D1 oncogene is a major driver of multiple types of human tumors including breast and squamous cell cancers, B-cell lymphoma, myeloma, and parathyroid adenoma.

## PURIFICATION

The mouse IgG is purified by Protein A-Affinity Chromatography according to Isotyping

## FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

## SPECIFICITY

This antibody recognizes human Cyclin D1 protein. The other species are not tested.

## STORAGE

The antibodies are stable for 24 months from date of receipt when stored at –20oC to –70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

**APPLICATIONS/SUGGESTED WORKING DILUTIONS***

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 34.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.


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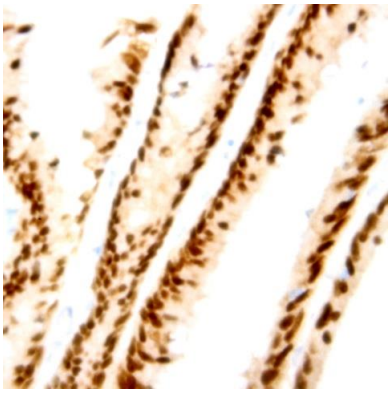
**DATA ATTACHMENTS**



Immunohistochemistry: Human colon carcinoma (FFPE) stained with Mouse anti-Cyclin D (Cat# 604-810) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

**REFERENCES**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