

## Mouse Monoclonal anti-Cyclin D1, Clone AM29

60-0021; 60-0021-7	6 mL; 7 mL predilute Antibody, Ready-To-Use
61-0021; 61-0021-2; 61-0021-5	1 mL; 0.2 mL; 0.5 mL Concentrate Antibody
Isotype	IgG2a
Concentration	See container label

### Intended Use

For In Vitro Diagnostic Use.

This product is used to qualitatively detect Cyclin D1 in normal and neoplastic formalin fixed, paraffin embedded (FFPE) tissue sections in immunohistochemical (IHC) detection methodology. Interpretation must be made within the context of the patient's clinical history and other diagnostic test by a qualified pathologist.

### Description

Anti-Cyclin D1 antibodies are useful in IHC analysis for the diagnosis of mantle cell lymphomas. It is an important marker for the differentiation between mantle cell lymphomas and other small B-cell lymphomas. In addition, anti-Cyclin D1 antibody is a useful tool to identifying overexpression of cyclin D1 in breast and colon carcinomas.

### Reagent provided

This antibody is diluted in 10 mM phosphate buffered saline (PBS), pH 7.2 containing 1% bovine serum albumin (BSA) and 0.09% sodium azide ( $\text{NaN}_3$ ) as antimicrobial agent.

### Precautions

For professional users.

Proper handling of this product as with any product derived from biological sources according to local and applicable regulations.

Sodium azide ( $\text{NaN}_3$ ) is a toxic chemical. The concentration in this product is not classified as hazardous, however, the build-ups of  $\text{NaN}_3$  may react with lead and copper plumbing to form highly explosive metal azides. Flush the disposed reagent with large volume of water to prevent azide build-up.

### Usage

#### Dilution

60-0021; 60-0021-7: Ready-To-Use

61-0021; 61-0021-2; 61-0021-5: Dilute 1:50-100 before use when using Acu-Stain™ detection system. Optimum dilution factor may vary depending on the specimen and preparation process and should be determined by each individual investigator.

#### Staining procedure

Incubate this antibody with tissue section for 30-60 minutes at room temperature. Follow the instructions from the selected detection system.

#### Positive control tissue

Mantle Cell Lymphoma or Breast Cancer

#### Epitope retrieval

HIER, Tris-EDTA pH 9

#### Staining pattern

Nucleus

### Storage

Store at 2-8°C.

### References

- Ott M, et al. The Journal of Pathology. 1996; 179(3):238-242
- Leong AS-Y, et al. Manual of Diagnostic Antibodies for Immunohistology. 2003; pp. 165-166
- de Boer CJ, et al. Blood. 1995 Oct 1;86(7):2715-23.

### Symbols



Catalog No.



Batch No.



In Vitro Diagnostic Use



Temperature Range



Use By

