Mouse Anti-Cyclin D1 [DCS-6]: MC0732, MC0732RTU7

**Intended Use:** For Research Use Only

**Description:** Cyclin D1 belongs to the Cyclin D family. Cyclin D1 is required for the cell cycle G1/S transition. Amplification or overexpression of cyclin D1 plays a pivotal role in the development of various human cancers including breast cancer, colon cancer, melanoma, prostate cancer and lymphoma. It is useful to differentiate mantle cell lymphoma from small cleaved cell lymphoma. Rabbit monoclonal antibodies to cyclin D1 showed the highest sensitivity to detect this antigen in formalin fixed paraffin embedded tissue as compared to several other clones.

**Specifications:**
- **Clone:** DCS-6
- **Source:** Mouse
- **Isotype:** IgG2a
- **Reactivity:** Human, mouse, rat
- **Localization:** Nucleus
- **Formulation:** Antibody in PBS pH7.4, containing BSA, glycerol, and ≤0.09% sodium azide (NaN3).
- **Storage:** Store at 2°-8°C.
- **Applications:** IHC, Flow Cyt., IF, WB

<table>
<thead>
<tr>
<th>Description</th>
<th>Catalog No.</th>
<th>Size</th>
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</thead>
<tbody>
<tr>
<td>Cyclin D1 Concentrated</td>
<td>MC0732</td>
<td>1 ml</td>
</tr>
<tr>
<td>Cyclin D1 Prediluted</td>
<td>MC0732RTU7</td>
<td>7 ml</td>
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**IHC Procedure**:  
- Positive Control Tissue: Tonsil, breast ca, lymphoma  
- Concentrated Dilution: 50-200  
- Pretreatment: EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C  
- Incubation Time and Temp: 30-60 minutes @ RT  
- Detection: Refer to the detection system manual

*Result should be confirmed by an established diagnostic procedure.*

![FFPE human mantle cell lymphoma stained with anti-Cyclin D1 using DAB](image)

**References:**