

## 36-1637: Monoclonal Antibody to Cyclin D1 (G1-Cyclin & Mantle Cell Marker)(Clone : CCND1/809)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	CCND1/809
<b>Application :</b>	FACS,IHC
<b>Reactivity :</b>	Human
<b>Gene :</b>	CCND1
<b>Gene ID :</b>	595
<b>Uniprot ID :</b>	P24385
<b>Format :</b>	Purified
<b>Alternative Name :</b>	CCND1,BCL1,PRAD1
<b>Isotype :</b>	Mouse IgG2a, kappa
<b>Immunogen Information :</b>	Recombinant human CCND1 protein

### Description

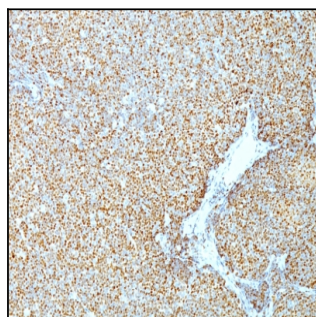
Recognizes a protein of 36kDa, identified as cyclin D1. Cyclin D1, one of the key cell cycle regulators, is a putative proto-oncogene overexpressed in a wide variety of human neoplasms. This antibody neutralizes the activity of cyclin D1 in vivo. About 60% of mantle cell lymphomas (MCL) contain a t(11; 14)(q13; q32) translocation resulting in over-expression of cyclin D1. This antibody is useful in identifying mantle cell lymphomas (cyclin D1 positive) from CLL/SLL and follicular lymphomas (cyclin D1 negative). Occasionally, hairy cell leukemia and plasma cell myeloma weakly express Cyclin D1.

### Product Info

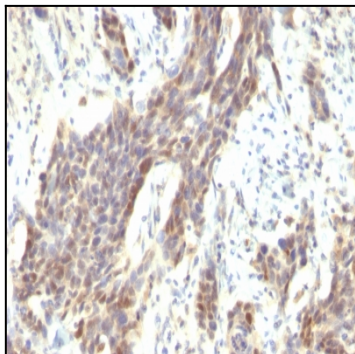
<b>Amount :</b>	100 µg
<b>Purification :</b>	Affinity Chromatography
<b>Content :</b>	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
<b>Storage condition :</b>	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

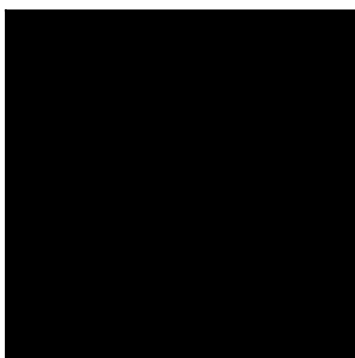
Flow Cytometry (1-2ug/million cells); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);



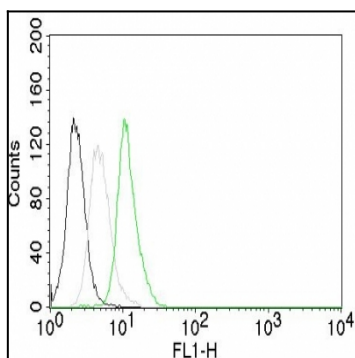
Formalin-fixed, paraffin-embedded human Mantle Cell Lymphoma stained with Cyclin D1 Monoclonal Antibody (CCND1/809).



Formalin-fixed, paraffin-embedded human Bladder Carcinoma stained with Cyclin D1 Monoclonal Antibody (CCND1/809).



Flow Cytometry of human Cyclin D1 on HeLa Cells. Black: Cells alone; Green: Isotype Control; Red: PE-labeled Cyclin D1 Monoclonal Antibody (CCND1/809).



Flow Cytometry of human Cyclin D1 on Jurkat Cells. Black: Cells alone; Grey: Isotype Control; Green: AF488-labeled Cyclin D1 Monoclonal Antibody (CCND1/809).