

### 36-1636: Monoclonal Antibody to Cyclin D1 (G1-Cyclin & Mantle Cell Marker)(Clone : SPM587)-PE

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	SPM587
<b>Application :</b>	FACS,IF
<b>Reactivity :</b>	Human, Mouse, Rat
<b>Conjugate :</b>	PE
<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>	Human recombinant full length cyclin D1 protein

#### Description

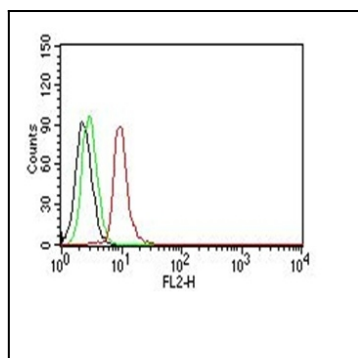
Recognizes a protein of 36kDa, identified as cyclin D1. Cyclin D1, one of the key cell cycle regulators, is a putative proto-oncogene overexpressed in a wide variety of human neoplasms. This antibody neutralizes the activity of cyclin D1 in vivo. About 60% of mantle cell lymphomas (MCL) contain a t(11; 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

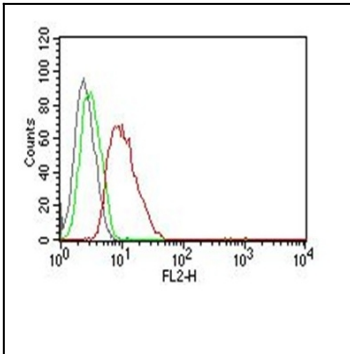
<b>Amount :</b>	0.5 ml
<b>Purification :</b>	Affinity Chromatography
<b>Content :</b>	PE conjugated Cyclin D1 Prepared in 10mM PBS with 0.05% BSA and 0.05% azide.
<b>Storage condition :</b>	Store the antibody at 4°C; stable for 6 months.

#### Application Note

Flow Cytometry (5ul per test per one million cells or 5ul per 100ul of whole blood); Immunofluorescence (1:50-1:100);



Flow Cytometry of human Cyclin D1 on Jurkat Cells. Black: Cells alone; Green: Isotype Control; Red: PE-labeled Cyclin D1 Monoclonal Antibody (SPM587).



Flow Cytometry of human Cyclin D1 on MCF-7 Cells. Black: Cells alone; Green: Isotype Control; Red: PE-labeled Cyclin D1 Monoclonal Antibody (SPM587).