

## Cyclin D1 Antibody PE Conjugate [clone SPM587] (V2830PE)

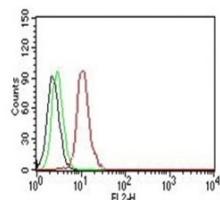
Catalog No.	Formulation	Size
V2830PE-100T	500 ul at 0.1 mg/ml with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 Tests



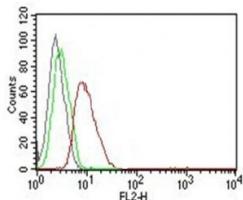
Citations (1)

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Availability	1-3 business days
Species Reactivity	Human
Format	PE Conjugate
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	SPM587
Purity	Protein G affinity chromatography
UniProt	P24385
Localization	Nuclear
Applications	Flow Cytometry : 5ul per test per one million cells in 100ul
Limitations	This Cyclin D1 antibody is available for research use only.



Flow Cytometry testing of Jurkat cells. Black: cells alone; Green: isotype control; Red: PE-labeled Cyclin D1 antibody (SPM587).



Flow Cytometry testing of MCF-7 cells. Black: cells alone; Green: isotype control; Red: PE-labeled Cyclin D1 antibody (SPM587).

## Description

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.

## Application Notes

Optimal dilution of the Cyclin D1 antibody should be determined by the researcher.

## Immunogen

Human recombinant full length protein was used as the immunogen for the Cyclin D1 antibody.

## Storage

Store the Cyclin D1 antibody at 2-8°C. Conjugate is light sensitive, store in the dark.