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

Clone Name : Monoclonal
Clone Name : SPM587
Application : FACS,IF

Reactivity: Human, Mouse, Rat

 Conjugate :
 PE

 Gene :
 CCND1

 Gene ID :
 595

 Uniprot ID :
 P24385

 Format :
 Purified

Alternative Name : CCND1,BCL1,PRAD1 Isotype : Mouse IgG2a, kappa

Immunogen Information: 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 protooncogene 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

Amount: 0.5 ml

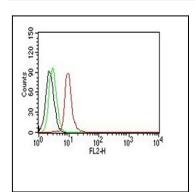
Purification: Affinity Chromatography

Content: PE conjugated Cyclin D1 Prepared in 10mM PBS with 0.05% BSA and 0.05% azide.

Storage condition : 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);

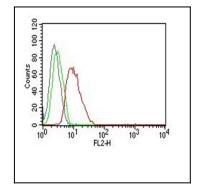


Flow Cytometry of human Cyclin D1 on Jurkat Cells. Black: Cells alone; Green: Isotype Control; Red: PE-labeled Cyclin D1 Monoclonal Antibody (SPM587).



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