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30-1084: Anti-Cyclin D1 Monoclonal Antibody (Clone:DCS-6)

Clonality :	Monoclonal
Clone Name :	DCS-6
Application :	FACS
Reactivity :	Human
Gene :	CCND1
Gene ID :	595
Uniprot ID :	P24385
Format :	Purified
Alternative Name :	CCND1, DIP1, GCIP, HHM
Isotype :	Mouse IgG2a
Immunogen Information :	recombinant human cyclin D1 (amino acids 1-295)

Description

Cyclin D1 (PRAD1, Bcl-1) is a cytoplasmic and nuclear protein, which is synthesized during G1 phase and assembles with either cyclin-dependent kinase 4 (CDK4) or CDK6 in response to growth factor stimulation. D-type cyclin-CDK complexes act to inactivate the growth-suppressive function of the Rb protein through its phosphorylation, and titrate CDK inhibitors such as p21Cip1 and p27Kip1. Whereas during G1 phase cyclin D1 accumulates in the nucleus, it translocates into the cytoplasm during S phase. Without growth factor-mediated stimulation cyclin D1 is unstable, and undergoes ubiquitin-mediated degradation, which is triggered by its phosphorylation. Cyclin D1 destabilization participates in G1/S phase arrest.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Flow Cytometry Immunoprecipitation Western Blotting Immunohistochemistry Immunohistochemistry (frozen sections) Immunocytochemistry Functional Application blocking

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