

Mouse Cyclin D1 Monoclonal Antibody | anti-CCND1 antibody

Anti-Cyclin D1 PE

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA128502	Mouse	Rat, Mouse, Non-human primates, Human	Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

Cyclin D1; Monoclonal Antibody; Anti-Cyclin D1 PE; cyclin D1; CYC-D1; CCND1; Bcl-1; PRAD1; U21B31; anti-CCND1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Rat, Mouse, Non-human primates, Human
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	DCS-6
Specificity	The mouse monoclonal antibody DCS-6 recognizes cyclin D1, an ubiquitously expressed 33 kDa intracellular protein that migrates as a 36 kDa band under reducing SDS-PAGE conditions.
Purity/Purification	The purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Form/Format	Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
Concentration	0.1 mg/ml (varies by lot)
Sequence Length	295
Applicable Applications for anti-CCND1 antibody	FCM/FACS (Flow Cytometry)
Immunogen	recombinant human cyclin D1 (amino acids 1-295)
Negative Species	Cat, Sheep
Conjugation	PE
Preparation and Storage	Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light.

ADDITIONAL INFORMATION

Related Product Information for anti-CCND1 antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	16950655
NCBI GeneID	595

NCBI Accession #	NP_444284.1
NCBI GenBank Nucleotide #	NP_444284.1
UniProt Accession #	P24385
NCBI Official Full Name	G1/S-specific cyclin-D1
NCBI Official Synonym Full Names	cyclin D1
NCBI Official Symbol	CCND1
NCBI Official Synonym Symbols	BCL1; PRAD1; U21B31; D11S287E
NCBI Protein Information	G1/S-specific cyclin-D1
UniProt Protein Name	G1/S-specific cyclin-D1
UniProt Gene Name	CCND1
UniProt Synonym Gene Names	BCL1; PRAD1; BCL-1
UniProt Entry Name	CCND1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cyclin-d1-antibody-clone-dcs-6-flow-cytometry-elisa/128502>