

For Research Use Only

# CoraLite® Plus 647-conjugated Cyclin D1 Monoclonal antibody



Catalog Number: CL647-60186

Featured Product

## Basic Information

Catalog Number:

CL647-60186

GenBank Accession Number:

BC000076

Purification Method:

Protein A purification

Size:

100ul, Concentration: 1000 µg/ml by 595

GeneID (NCBI):

595

CloneNo.:

2G3G5

Nanodrop;

UNIPROT ID:

P24385

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

Source:

Mouse

Full Name:

cyclin D1

Isotype:

IgG2b

Calculated MW:

295 aa, 34 kDa

Immunogen Catalog Number:

AG0689

Observed MW:

34 kDa

## Applications

Tested Applications:

Species Specificity:

human, mouse, rat

## Background Information

CCND1 (cyclin D1), also known as PRAD1 or BCL1, belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance throughout the cell cycle. CCND1 forms a complex with and functions as a regulatory subunit of CDK4 or CDK6, whose activity is required for cell cycle G1/S transition. The CCND1 gene, located on 11q13 has been reported to be overexpressed in mantle cell lymphoma (MCL) due to the chromosomal translocation. CCND1 has been shown to interact with tumor suppressor protein Rb and the expression of this gene is regulated positively by Rb. Over-expression of CCND1 is known to correlate with the early onset of cancer and risk of tumor progression and metastasis.

## Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

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