

Datasheet: MCA6301

BATCH NUMBER 155774

Description:	RABBIT ANTI CYCLIN D1
Specificity:	CYCLIN D1
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	RM241
Isotype:	IgG
Quantity:	0.1 ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Paraffin	▪			1/500 - 1/1000
Western Blotting	▪			1/1000 - 1/2000

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species

Human

Species Cross Reactivity

Based on sequence similarity, is expected to react with: Bovine, Mouse, Rat
N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Preparation

Purified IgG prepared by affinity chromatography of Protein A from animal origin-free culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative

0.09% Sodium Azide

Stabilisers	1% Bovine Serum Albumin 50% Glycerol
Immunogen	A peptide corresponding to cyclin D1
External Database Links	UniProt: P24385 Related reagents Entrez Gene: 595 CCND1 Related reagents
Synonyms	BCL1, PRAD1
Specificity	Rabbit anti Human cyclin D1 antibody recognizes G1/S-specific cyclin-D1, also known as CCND1, BCL1, PRAD1. Cyclins are protein kinases required for cell cycle progression, and different cyclins execute their functions at different stages of the cell cycle by binding to cyclin-dependent kinases (CDKs). Through its interaction with CDK4 and CDK6, cyclin D1 plays the essential role of promoting G1 to S phase transition (Alao, 2007). The gene encoding cyclin D1, CCND1, is a human oncogene, and is overexpressed in up to 50% of human breast cancers (Casimiro et al. 2015). Overexpression of CCND1 leads to dysregulated CDK activity, rapid cell growth, bypass of cell cycle checkpoints, and neoplastic growth (Qie and Diehl. 2016).
Storage	Store at -20°C only. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10048 available at: https://www.bio-rad-antibodies.com/SDS/MCA6301 10048
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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