

Datasheet: MCA1756T

Description:	MOUSE ANTI CYCLIN D1
Specificity:	CYCLIN D1
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	CD1.1
Isotype:	IgG1
Quantity:	10 µg

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
Flow Cytometry (1)	▪			Neat
Immunohistology - Frozen	▪			
Immunohistology - Paraffin (2)	▪			1/1000 - 1/10000

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

(1) Membrane permeabilization is required for this application. Bio-Rad recommend the use of Leucoperm™ (Product Code [BUF09](#)) for this purpose.

(2) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.

Target Species	Human
Species Cross Reactivity	Reacts with: Rat N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	TRIS buffered glycine
Preservative Stabilisers	0.09% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Human Cyclin D1

**External Database
Links**

UniProt:

[P24385](#) [Related reagents](#)

Entrez Gene:

[595](#) CCND1 [Related reagents](#)

Synonyms

BCL1, PRAD1

Fusion Partners

Spleen cells from immunised mice were fused with cells of the mouse Sp-2 myeloma cell line.

Specificity

Mouse anti Cyclin D1 antibody, clone CD1.1 recognizes cyclin D1, a 295 amino acid, ~36 kDa nuclear protein which belongs to the highly conserved cyclin family. D type cyclins are predominantly expressed in the G1 phase of the cell cycle.

Cyclin D1 study is of interest in various forms of malignancy and over expression has been linked to poor prognosis ([Bartkova et al. 1995](#)).

**Histology Positive
Control Tissue**

Small intestine, colon

References

1. Wykoff, C.C. *et al.* (2004) Gene array of VHL mutation and hypoxia shows novel hypoxia-induced genes and that cyclin D1 is a VHL target gene. [Br J Cancer. 90 \(6\): 1235-43.](#)
2. Zeldich, E. *et al.* (2012) Enamel matrix derivative stimulates human gingival fibroblast proliferation via ERK. [J Dent Res. 86: 41-6.](#)
3. Jovanovic, I.P. *et al.* (2014) Clinical significance of Cyclin D1, FGF3 and p21 protein expression in laryngeal squamous cell carcinoma. [J BUON. 19 \(4\): 944-52.](#)

Storage

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

18 months from date of despatch.

**Health And Safety
Information**

Material Safety Datasheet documentation available at:
Material Safety Datasheet Documentation #10072 available at:
<https://www.bio-rad-antibodies.com/uploads/MSDS/10072.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)

[RPE](#)

Goat Anti Mouse IgG IgA IgM (STAR87...)

[Alk. Phos.](#), [HRP](#)

Goat Anti Mouse IgG (H/L) (STAR117...)

[Alk. Phos.](#), [DyLight®488](#), [DyLight®549](#),
[DyLight®649](#), [DyLight®680](#), [DyLight®800](#),
[FITC](#), [HRP](#)

Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Goat Anti Mouse IgG (STAR77...) [HRP](#)
Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR8...) [DyLight®800](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Human Anti Mouse IgG1 (HCA036...) [HRP](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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'M310571:171004'

Printed on 12 Apr 2018

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