Datasheet: MCA1756T

BATCH NUMBER 153064

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. 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 on Protein A from ascites
Buffer Solution	Phosphate buffered saline
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
RRID	AB_2084953
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^{o}C or at -20^{o}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.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA1756T 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos., HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos., DyLight®488, DyLight®550, DyLight®650, DyLight®680, DyLight®800, FITC, HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC, HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)

North & South America Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com

Worldwide Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com

Europe Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com

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

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