

Datasheet: MCA1992

Description:	MOUSE ANTI HUMAN CDK6
Specificity:	Cdk6
Other names:	CYCLIN-DEPENDENT KINASE 6
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	DCS-83.1
Isotype:	IgG1
Quantity:	0.1 mg

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			■	
Immunohistology - Frozen	■			
Immunohistology - Paraffin			■	
ELISA			■	
Immunoprecipitation	■			
Western Blotting	■			

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A/G
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.08% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Recombinant cdk6 protein
External Database Links	UniProt: Q00534 Related reagents

Entrez Gene:[1021](#) [CDK6](#) [Related reagents](#)

Specificity	Mouse anti Human Cdk6 antibody, clone DCS-83 recognizes the human cyclin dependent kinase 6, also known as Cdk6 or Serine/threonine-protein kinase PLSTIRE. Cdk6 is a 326 amino acid member of the CDC2/CDKX subfamily containing a single protein kinase domain. Pck6 migrates at ~37kDa in Western blotting under reducing conditions. Cdk6 pays an important role in cell cycle progression from the G1 to S phase (Sun <i>et al.</i> 2008) Mouse anti Human Cdk6, clone DCS83 additionally recognizes both the rat and mouse homologs of Human Cdk6. and has been successfully used for immunoprecipitation and immunofluorescence on acetone/methanol fixed cell preparations (Lukas <i>et al.</i> 1999).
Histology Positive Control Tissue	U-2-OS sarcoma cell line
References	1. Lukas, C. <i>et al.</i> (1999) Immunohistochemical analysis of the D-type cyclin-dependent kinases Cdk4 and Cdk6, using a series of monoclonal antibodies. Hybridoma. 18: 225-34. 2. Tsubari, M. <i>et al.</i> (1999) Hepatocyte growth factor releases mink epithelial cells from transforming growth factor beta1-induced growth arrest by restoring Cdk6 expression and cyclin E-associated Cdk2 activity. Mol Cell Biol. 19: 3654-63.
Further Reading	1. Elledge, S.J. (1996) Cell cycle checkpoints: preventing an identity crisis. Science. 274 (5293): 1664-72.
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 #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.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 \(MCA928\)](#)

North & South America	Tel: +1 800 265 7376	Worldwide	Tel: +44 (0)1865 852 700	Europe	Tel: +49 (0) 89 8090 95 21
	Fax: +1 919 878 3751		Fax: +44 (0)1865 852 739		Fax: +49 (0) 89 8090 95 50
	Email: antibody_sales_us@bio-rad.com		Email: antibody_sales_uk@bio-rad.com		Email: antibody_sales_de@bio-rad.com

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