

Datasheet: VMA00022

BATCH NUMBER 080714

Description:	MOUSE ANTI CDK6
Specificity:	CDK6
Other names:	Cyclin-Dependent Kinase 6
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	DCS-83.1
Isotype:	IgG1
Quantity:	100 µl

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	▪			1/1000

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species	Human
Species Cross Reactivity	<p>Reacts with: Mouse</p> <p>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.</p>
Product Form	Purified IgG - liquid

Preparation	Mouse monoclonal antibody purified by affinity chromatography on Protein A/G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Recombinant human cdk6
External Database Links	<p>UniProt: Q00534 Related reagents</p> <p>Entrez Gene: 1021 CDK6 Related reagents</p>
Specificity	<p>Mouse anti Human cdk6 antibody 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 and plays an important role in cell cycle progression from the G1 to S phase (Sun et al. 2008).</p> <p>Mouse anti Human cdk6 antibody recognizes cdk6 as a single band of ~37 kDa in multiple cell line lysates by western blotting under reducing conditions.</p>
Western Blotting	Anti Cdk6 antibody detects a band of approximately 37 kDa in Jurkat cell lysates.
References	<ol style="list-style-type: none"> Zhu, G. <i>et al.</i> (2016) Combination with γ-secretase inhibitor prolongs treatment efficacy of BRAF inhibitor in BRAF-mutated melanoma cells. Cancer Lett. 376 (1): 43-52. 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 (5): 3654-63.
Further Reading	1. Elledge, S.J. (1996) Cell cycle checkpoints: preventing an identity crisis. Science. 274 (5293): 1664-72.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Guarantee	12 months from date of despatch
Acknowledgements	PrecisionAb is a trademark of Bio-Rad Laboratories.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/VMA00022 Antibody (10040)

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [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

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