

Datasheet: VMA00018

Description:	MOUSE ANTI PCNA
Specificity:	PCNA
Other names:	Proliferating Cell Nuclear Antigen
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	PC10
Isotype:	IgG2a
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
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

Reacts with: African green monkey , Rat, Mouse

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

Mouse monoclonal antibody purified by affinity chromatography on Protein 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	Rat PCNA made in the Protein A expression vector pR1T2T
External Database Links	<p>UniProt: P12004 Related reagents</p> <p>Entrez Gene: 5111 PCNA Related reagents</p>
Specificity	<p>Mouse anti PCNA antibody recognizes the proliferating cell nuclear antigen, also known as PCNA or cyclin. PCNA is a 261 amino acid nuclear protein vital for cellular DNA synthesis at the replication fork (Li et al. 1995) through its interaction with FEN1 (Wu et al. 1996). PCNA is the auxilliary protein for DNA polymerase δ (Bravo et al. 1987).</p> <p>PCNA is highly conserved between mammalian species and other vertebrates and this antibody has been shown to detect PCNA in a number of species including rat, mouse and African green monkey</p> <p>Mouse anti PCNA antibody recognizes proliferating cell nuclear antigen as a single band of ~29 kDa in multiple human cell line lysates by western blotting under reducing conditions.</p>
Western Blotting	Anti PCNA antibody detects a band of approximately 29 kDa in HeLa cell lysates.
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/VMA00018 Antibody (10040)
Regulatory	For research purposes only.

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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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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