

Datasheet: VMA00018

BATCH NUMBER 171009

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>
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Specificity **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](#)).

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

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.

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](#)

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Worldwide Tel: +44 (0)1865 852 700

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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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