

Datasheet: VMA00018

**BATCH NUMBER 151785**

<b>Description:</b>	MOUSE ANTI PCNA
<b>Specificity:</b>	PCNA
<b>Other names:</b>	Proliferating Cell Nuclear Antigen
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	PC10
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	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](http://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

<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5 mg/ml
<b>Immunogen</b>	Rat PCNA made in the Protein A expression vector pR1T2T

<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P12004</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">5111</a>    PCNA    <a href="#">Related reagents</a></p>
--------------------------------	---

**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](#)

**North & South** Tel: +1 800 265 7376

**Worldwide** Tel: +44 (0)1865 852 700

**Europe** Tel: +49 (0) 89 8090 95 21

**America** 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](mailto:antibody_sales_us@bio-rad.com)

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

Email: [antibody\\_sales\\_de@bio-rad.com](mailto: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](https://bio-rad-antibodies.com/datasheets)

'M378470:210219'

**Printed on 18 Jan 2024**

---

© 2024 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)