

## Datasheet: VMA00423

<b>Description:</b>	MOUSE ANTI DNA PKcs
<b>Specificity:</b>	DNA PKcs
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Isotype:</b>	IgG1
<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
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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	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>Immunogen</b>	<i>E.coli</i> -derived recombinant protein corresponding to aa 3844-4127 of human DNA PKcs
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P78527</a> <a href="#">Related reagents</a>

**Entrez Gene:**

[5591](#) PRKDC [Related reagents](#)

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<b>Synonyms</b>	HYRC, HYRC1
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<b>Specificity</b>	<p><b>Mouse anti Human DNA PKcs antibody</b> recognizes DNA-dependent protein kinase catalytic subunit (DNA PKcs), also known as PRKDC and DNA-PK catalytic subunit.</p> <p>Encoded by the PRKDC gene, DNA PKcs functions with the Ku70/Ku80 heterodimer protein in DNA double strand break repair and recombination. DNA PKcs is a member of the PI3/PI4-kinase family (provided by RefSeq, Jul 2010).</p> <p>Mouse anti Human DNA PKcs antibody detects a band of &gt;350 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
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<b>Western Blotting</b>	Anti DNA PKcs detects a band of approximately >350 kDa in MOLT-4 cell lysates
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<b>Storage</b>	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
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<b>Guarantee</b>	12 months from date of despatch
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<b>Acknowledgements</b>	PrecisionAb is a trademark of Bio-Rad Laboratories.
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: Antibody (10040): <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

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

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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Look out for updates on how to access your digital version at [bio-rad-antibodies.com](https://www.bio-rad-antibodies.com)

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