

## Datasheet: MCA4953Z

<b>Description:</b>	MOUSE ANTI HUMAN PAX2:Preservative Free
<b>Specificity:</b>	PAX2
<b>Format:</b>	Preservative Free
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	3C7
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	0.1 mg

## 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
Immunohistology - Paraffin	▪			0.1 - 10 ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from ascites
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	None present
<b>Approx. Protein Concentrations</b>	Ig concentration 0.5 mg/ml
<b>Immunogen</b>	Recombinant protein corresponding to aa 194 - 304 of human PAX2.
<b>External Database Links</b>	<b>UniProt:</b> <a href="https://www.uniprot.org/entry/Q02962">Q02962</a> <a href="#">Related reagents</a>

**Entrez Gene:**

[5076](#) PAX2 [Related reagents](#)

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<b>RRID</b>	AB_2299197
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<b>Fusion Partners</b>	Spleen cells from BALB/c mice were fused with cells from the Sp2/0 myeloma cell line.
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<b>Specificity</b>	<p><b>Mouse anti Human PAX2 antibody, clone 3C7</b> recognizes human Paired box protein Pax-2. Pax-2 is a 417 amino acid ~45 kDa nuclear protein critical to the development of the urinogential tract, eyes and CNS (<a href="#">Eccles et al. 2002</a>).</p> <p>Mutations in the PAX2 gene can lead to deveolpment of Papillorenal syndrome (<a href="#">PAPRS</a>) demonstrating both renal and ocular problems (<a href="#">Salomon et al. 2001</a>, <a href="#">Higashide et al. 2005</a>) or Focal segmental glomerulosclerosis 7 (<a href="#">FSGS7</a>) showing segmental sclerosis of glomeruli (<a href="#">Barua et al. 2014</a>).</p>
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<b>References</b>	1. Markowska, A. <i>et al.</i> (2013) Does Metformin affect ER, PR, IGF-1R, $\beta$ -catenin and PAX-2 expression in women with diabetes mellitus and endometrial cancer? <a href="#">Diabetol Metab Syndr. 5 (1): 76.</a>
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<b>Storage</b>	Store at -20°C only. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10162 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA4953Z">https://www.bio-rad-antibodies.com/SDS/MCA4953Z</a> 10162
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">Alk. Phos.</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight@488</a> , <a href="#">DyLight@550</a> , <a href="#">DyLight@650</a> , <a href="#">DyLight@680</a> , <a href="#">DyLight@800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>

Rabbit Anti Mouse IgG (STAR13...) [HRP](#)  
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [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](https://bio-rad-antibodies.com/datasheets)  
'M405951:220916'

Printed on 25 Mar 2023

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