

Datasheet: MCA3411Z

**BATCH NUMBER 240615**

<b>Description:</b>	MOUSE ANTI HUMAN RENIN:Preservative Free
<b>Specificity:</b>	RENIN
<b>Format:</b>	Preservative Free
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	2H2
<b>Isotype:</b>	IgG1
<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
Western Blotting	▪			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
<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 24-407 of human Renin.
<b>External Database Links</b>	<b>UniProt:</b>

**Entrez Gene:**

[5972](#)   REN   [Related reagents](#)

<b>RRID</b>	AB_2269568
<b>Fusion Partners</b>	Spleen cells from immunized Balb/c mice were fused with cells from the Sp2/0 myeloma cell line.
<b>Specificity</b>	<p><b>Mouse anti Human renin antibody, clone 2H2</b> recognizes human renin also known as Angiotensinogenase. Renin is a 340 amino acid ~37 kDa endopeptidase responsible for the generation angiotensin I from plasma angiotensinogen.</p> <p>Mutations in the REN gene can lead to the development of Renal tubular dysgenesis (<a href="#">RTD</a>), a severe autosomal disorder of renal tubular development leading to perinatal death (<a href="#">Gribouval et al. 2005</a>). Mutation of the REN gene can also lead to Familial juvenile hyperuricemic nephropathy 2 (<a href="#">HNFJ2</a>) characterized by juvenile onset progressive renal failure and anemia (<a href="#">Zivna et al. 2009</a>).</p>
<b>Storage</b>	<p>Store at -20°C only.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10162 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA3411Z">https://www.bio-rad-antibodies.com/SDS/MCA3411Z</a> 10162
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</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 (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>

Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)

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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)

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