

Datasheet: MCA3411Z

Description:	MOUSE ANTI HUMAN RENIN:Preservative Free
Specificity:	RENIN
Format:	Preservative Free
Product Type:	Monoclonal Antibody
Clone:	2H2
Isotype:	IgG1
Quantity:	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.

	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.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from ascites
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Approx. Protein Concentrations	Ig concentration 0.5 mg/ml
Immunogen	Recombinant protein corresponding to aa 24-407 of human Renin.
External Database Links	UniProt: P00797 Related reagents

Entrez Gene:

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

RRID	AB_2269568
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Fusion Partners	Spleen cells from immunized Balb/c mice were fused with cells from the Sp2/0 myeloma cell line.
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Specificity	<p>Mouse anti Human renin antibody, clone 2H2 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 (RTD), a severe autosomal disorder of renal tubular development leading to perinatal death (Gribouval et al. 2005). Mutation of the REN gene can also lead to Familial juvenile hyperuricemic nephropathy 2 (HNFJ2) characterized by juvenile onset progressive renal failure and anemia (Zivna et al. 2009).</p>
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References	1. Montes, E. <i>et al.</i> (2012) Renin is an angiotensin-independent profibrotic mediator: role in pulmonary fibrosis. Eur Respir J. 39 (1): 141-8.
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Storage	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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Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10162 available at: https://www.bio-rad-antibodies.com/SDS/MCA3411Z 10162
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
Goat Anti Mouse IgG IgA IgM (STAR87...) [HRP](#)
Goat Anti Mouse IgG (STAR76...) [RPE](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight@488](#), [DyLight@550](#),
[DyLight@650](#), [DyLight@680](#), [DyLight@800](#),
[FITC](#), [HRP](#)

Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Goat Anti Mouse IgG (STAR77...) [HRP](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)

Recommended Negative Controls

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

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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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
'M405920:220916'

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