

Datasheet: 0500-0013

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|----------------------|--------------------------------|
| Description: | MOUSE ANTI HUMAN ANGIOTENSIN I |
| Specificity: | ANGIOTENSIN I |
| Format: | Purified |
| Product Type: | Monoclonal Antibody |
| Clone: | Ang E9 (BGN/KA/4H) |
| Isotype: | IgG2a |
| Quantity: | 0.2 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 |
|----------------------------|-----|----|----------------|--------------------|
| Flow Cytometry | | | ▪ | |
| Immunohistology - Frozen | | | ▪ | |
| Immunohistology - Paraffin | | | ▪ | |
| ELISA | ▪ | | | |
| Western Blotting | | | ▪ | |

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 the appropriate negative/positive controls.

| | |
|---------------------------------------|---|
| Target Species | Human |
| Product Form | Purified IgG - liquid |
| Preparation | Purified IgG prepared by affinity chromatography on Protein G from ascites |
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | <0.1% Sodium Azide (NaN ₃) |
| Approx. Protein Concentrations | IgG concentration 1.0 mg/ml |
| Immunogen | Synthetic peptide, PFHLVIHNES(C). corresponding to amino acids 40-49 of the |

[angiotensinogen precursor](#) conjugated to HMW carrier protein.

External Database**Links****UniProt:**[P01019](#)[Related reagents](#)**Entrez Gene:**[183](#)

AGT

[Related reagents](#)

Synonyms

SERPINA8

RRID

AB_617189

Specificity

Mouse anti Human Angiotensin I, clone Ang E9, is specific for Angiotensin I and does not react with angiotensin II, III or angiotensinogen in ELISA.

Angiotensin I is important in the Renin-Angiotensin-Aldosterone System (RAAS). RAAS is responsible for the regulation of blood pressure and water retention in the body.

Angiotensin I is produced from a reaction between the renal enzyme Renin and angiotensinogen. It is converted by Angiotensin Converting Enzyme (ACE) into a vasoactive form called Angiotensin II which is responsible for increasing blood pressure.

ELISA

In a simple indirect ELISA, using 1.0 µg of Angiotensin I coated per well, the 50% binding was observed at an antibody dilution of 1/12K. Under the same conditions, the end point titre was observed at an antibody dilution of 1/100K.

Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10040 available at:
<https://www.bio-rad-antibodies.com/SDS/0500-0013>
10040

Regulatory

For research purposes only

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](#)

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](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

| | | | | | |
|----------------------------------|---|------------------|---|---------------|---|
| 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 |
|----------------------------------|---|------------------|---|---------------|---|

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M429135:240320'

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