

Datasheet: 0500-0013

**BATCH NUMBER 160729**

|                      |                                |
|----------------------|--------------------------------|
| <b>Description:</b>  | MOUSE ANTI HUMAN ANGIOTENSIN I |
| <b>Specificity:</b>  | ANGIOTENSIN I                  |
| <b>Format:</b>       | Purified                       |
| <b>Product Type:</b> | Monoclonal Antibody            |
| <b>Clone:</b>        | Ang E9 (BGN/KA/4H)             |
| <b>Isotype:</b>      | IgG2a                          |
| <b>Quantity:</b>     | 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](http://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.

|                                       |   |
|---------------------------------------|---|
| <b>Target Species</b>                 | Human   |
| <b>Product Form</b>                   | Purified IgG - liquid   |
| <b>Preparation</b>                    | Purified IgG prepared by affinity chromatography on Protein G |
| <b>Buffer Solution</b>                | Phosphate buffered saline                                     |
| <b>Preservative Stabilisers</b>       | 0.09% Sodium Azide (NaN <sub>3</sub> )                        |
| <b>Approx. Protein Concentrations</b> | 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.

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**External Database Links**

**UniProt:**

[P01019](#)    [Related reagents](#)

**Entrez Gene:**

[183](#) AGT    [Related reagents](#)

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**Synonyms** SERPINA8

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**RRID** AB\_617189

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**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.

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**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.

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**Storage** Store at +4°C or at -20°C if preferred.  
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 #10040 available at: <https://www.bio-rad-antibodies.com/SDS/0500-0013>  
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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](#)

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](#)

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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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