

## Mouse Asymmetrical Dimethylarginine (ADMA) ELISA Kit | ADMA elisa kit

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CATALOG #  
**AAA332398**

REACTIVITY  
**Mouse**

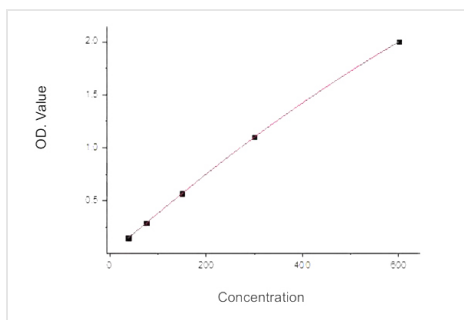
### PRODUCT SYNONYMS

Asymmetrical Dimethylarginine (ADMA); Mouse Asymmetrical Dimethylarginine (ADMA) ELISA Kit; ADMA elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                                                                           |
| Specificity             | Mouse Asymmetrical Dimethylarginine (ADMA) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse ADMA. No significant cross-reactivity or interference between Mouse ADMA and analogues was observed. |
| Assay Type              | Sandwich                                                                                                                                                                                                                        |
| Samples                 | Mouse serum, cell culture supernates and other biological fluids                                                                                                                                                                |
| Detection Range         | 37.5 umol/L - 600 umol/L                                                                                                                                                                                                        |
| Sensitivity             | < 1 umol/L                                                                                                                                                                                                                      |
| Intra-assay Precision   | Four samples of known concentration were tested twenty times on one plate to assess intra-assay precision. The CV (%)?9%.                                                                                                       |
| Inter-assay Precision   | Three samples of known concentration were tested in twenty separate assays to assess inter-assay precision. Assays were performed by at least three technicians using two lots of components. The CV (%)?11%.                   |
| Preparation and Storage | Store at 2-8 degree C.                                                                                                                                                                                                          |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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| Related Product Information for ADMA elisa kit | <p>Background: Asymmetric dimethylarginine (ADMA) is a naturally occurring chemical found in blood plasma. It is a metabolic by-product of continual protein modification processes in the cytoplasm of all human cells. It is closely related to L-arginine, a conditionally-essential amino acid. ADMA interferes with L-arginine in the production of nitric oxide, a key chemical involved in normal endothelial function and, by extension, cardiovascular health. Nitric oxide (NO) is synthesized in endothelial cells by the enzyme endothelial nitric oxide synthase. The production rate of NO is a key factor for endothelial and cardiovascular functions. The substrate of endothelial nitric oxide synthase is Arg, which is converted into the products NO and citrulline. The enzyme is inhibited by the endogenous Arg metabolite asymmetric dimethylarginine (ADMA).</p> <p>Principle of the Assay: Mouse Asymmetrical Dimethylarginine (ADMA) ELISA Kit employs a two-site sandwich ELISA to quantitate ADMA in samples. An antibody specific for ADMA has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ADMA present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Mouse ADMA detection antibody is added to the wells.</p> |
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**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/mouse-elisa-kits/asymmetrical-dimethylarginine-adma/332398>