# Mouse N(G),N(G)-Dimethylarginine Dimethylaminohydrolase 2 (DDAH2) RTU ELISA Kit | DDAH2 rtu elisa kit

Mouse N(G),N(G)-Dimethylarginine Dimethylaminohydrolase 2 (DDAH2) ELISA Kit

| CATALOG # | REACTIVITY |
|---|---|
| **AAA219715** | **Mouse** |

## PRODUCT SYNONYMS

N(G); N(G)-Dimethylarginine Dimethylaminohydrolase 2 (DDAH2); Mouse N(G); N(G)-Dimethylarginine Dimethylaminohydrolase 2 (DDAH2) ELISA Kit; DDAHII; Dimethylargininase-2; DDAH2 rtu elisa kit

## PRODUCT SPECIFICATIONS

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| **Reactivity** | Mouse |
| **Specificity** | This assay has high sensitivity and excellent specificity for detection of G. No significant cross-reactivity or interference between G and analogues was observed. |
| **Sequence Length** | 285 |
| **Samples** | Mouse Serum, Plasma, Tissue Homogenates Or Other Biological Fluids |
| **Assay Type** | Quantitative Sandwich |
| **Detection Range** | 0.312-20ng/mL |
| **Sensitivity** | 0.108ng/mL. |
| **Intra-assay Precision** | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level G were tested 20 times on one plate, respectively. Intra-Assay: CV<10% |
| **Inter-assay Precision** | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level G were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12% |
| **Preparation and Storage** | For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C. |

## IMAGES



**Standard Curve (Sample)**

## ADDITIONAL INFORMATION

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| **Related Product Information for DDAH2 rtu elisa kit** | Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of G in mouse serum, plasma, tissue homogenates or other biological fluids.<br><br>Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to G. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to G. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain G, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of G in the samples is then determined by comparing the O.D. of the samples to the standard curve. |

## NCBI AND UNIPROT INFORMATION

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|---|---|
| **NCBI GI #** | 299522791 |
| **NCBI GeneID** | 51793 |
| **NCBI Accession #** | NP_001177378.1 |
| **NCBI GenBank Nucleotide #** | NP_001177378.1 |
| **UniProt Accession #** | Q99LD8 |
| **NCBI Official Full Name** | N(G),N(G)-dimethylarginine dimethylaminohydrolase 2 isoform 1 |
| **NCBI Official Synonym Full Names** | dimethylarginine dimethylaminohydrolase 2 |
| **NCBI Official Symbol** | Ddah2 |
| **NCBI Official Synonym Symbols** | G6a; Ddah; NG30; DDAH-2; DDAHII; AU019324; AW413173; 1110003M04Rik |
| **NCBI Protein Information** | N(G),N(G)-dimethylarginine dimethylaminohydrolase 2 |
| **UniProt Protein Name** | N(G),N(G)-dimethylarginine dimethylaminohydrolase 2 |
| **UniProt Gene Name** | **Ddah2** |
| **UniProt Synonym Gene Names** | DDAH-2; Dimethylarginine dimethylaminohydrolase 2 |
| **UniProt Entry Name** | DDAH2_MOUSE |

**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://stage.aaabiotech.com/mouse-rtu-elisa-kits/n-g-n-g-dimethylarginine-dimethylaminohydrolase-2-ddah2/219715