

Human Dimethylarginine Dimethylaminohydrolase 2 (DDAH2) ELISA Kit | DDAH2 elisa kit

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CATALOG #
AAA138029

REACTIVITY
Human

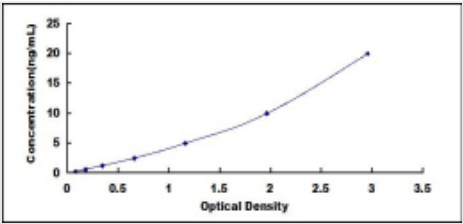
PRODUCT SYNONYMS

Dimethylarginine Dimethylaminohydrolase 2 (DDAH2); Human Dimethylarginine Dimethylaminohydrolase 2 (DDAH2) ELISA Kit; DDAH; G6A; NG30; N(G); N(G)-dimethylarginine dimethylaminohydrolase 2; Dimethylargininase-2; Protein G6a; S-phase protein; DDAH2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Dimethylarginine Dimethylaminohydrolase 2 (DDAH2). No significant cross-reactivity or interference between Dimethylarginine Dimethylaminohydrolase 2 (DDAH2) and analogues was observed.
Sequence Length	285
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.123ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Dimethylarginine Dimethylaminohydrolase 2 (DDAH2) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Dimethylarginine Dimethylaminohydrolase 2 (DDAH2) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DDAH2 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Dimethylarginine Dimethylaminohydrolase 2 (DDAH2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Dimethylarginine Dimethylaminohydrolase 2 (DDAH2). 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 Dimethylarginine Dimethylaminohydrolase 2 (DDAH2), 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 Dimethylarginine Dimethylaminohydrolase 2 (DDAH2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for DDAH2 elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	12655161
NCBI GeneID	23564
UniProt Accession #	O95865; A2BEZ7
Molecular Weight	29,644 Da
NCBI Official Full Name	Dimethylarginine dimethylaminohydrolase 2
NCBI Official Synonym Full Names	dimethylarginine dimethylaminohydrolase 2
NCBI Official Symbol	DDAH2
NCBI Official Synonym Symbols	G6a; DDAH; NG30; DDAHII; HEL-S-277
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; G6A; NG30; DDAH-2; Dimethylarginine dimethylaminohydrolase 2
UniProt Entry Name	DDAH2_HUMAN

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.