

Rat Monoamine Oxidase A (MAOA) ELISA Kit | MAOA elisa kit

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CATALOG #
AAA137076

REACTIVITY
Rat

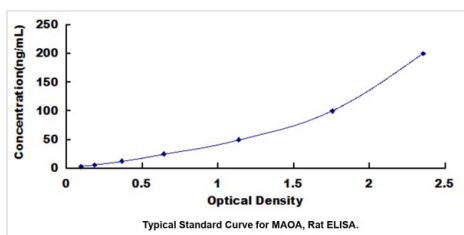
PRODUCT SYNONYMS

Monoamine Oxidase A (MAOA); Rat Monoamine Oxidase A (MAOA) ELISA Kit; MAO-A; Amine oxidase [flavin-containing] A; MAOA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of MAOA. No significant cross-reactivity or interference between MAOA and analogues was observed.
Sequence Length	27
Assay Type	Quantitative Sandwich
Samples	Rat serum, plasma, tissue homogenates and other biological fluids
Detection Range	3.12-200ng/mL
Sensitivity	< 1.27ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MAOA 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 MAOA were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 MAOA elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to MAOA. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to MAOA. 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 MAOA, 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 MAOA in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MAOA in rat serum, plasma, tissue homogenates and other biological fluids.
Product Categories/Family for MAOA elisa kit	Enzyme & Kinase; Metabolic pathway; Endocrinology; Neuroscience; Hepatology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4262061
NCBI GeneID	4128
UniProt Accession #	P21397; Q16426; B4DF46
Molecular Weight	44,848 Da
NCBI Official Full Name	monoamine oxidase A, partial
NCBI Official Synonym Full Names	monoamine oxidase A
NCBI Official Symbol	MAOA
NCBI Official Synonym Symbols	MAO-A
NCBI Protein Information	amine oxidase [flavin-containing] A
UniProt Protein Name	Amine oxidase [flavin-containing] A
UniProt Gene Name	MAOA
UniProt Synonym Gene Names	MAO-A
UniProt Entry Name	AOFA_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/monoamine-oxidase-a-maoa/137076>