

Rat Monoamine oxidase A ELISA Kit | MAOA elisa kit

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CATALOG #
AAA82570

REACTIVITY
Rat

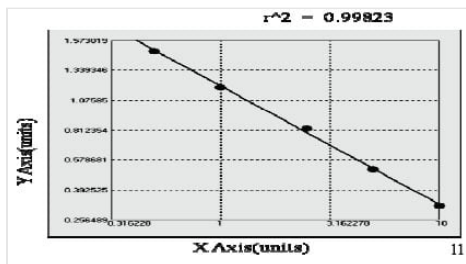
PRODUCT SYNONYMS

Monoamine oxidase A; Rat Monoamine oxidase A ELISA Kit; MAOA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This MOA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat MOA. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MAOA elisa kit

Principle of the assay: MOA ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-MOA antibody and an MOA-HRP conjugate. The assay sample and buffer are incubated together with MOA-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the MOA concentration since MOA from samples and MOA-HRP conjugate compete for the anti-MOA antibody binding site. Since the number of sites is limited, as more sites are occupied by MOA from the sample, fewer sites are left to bind MOA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MOA concentration in each sample is interpolated from this standard curve.

Product Categories/Family for MAOA elisa kit

Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4262061
NCBI GeneID	4128
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; amine oxidase [flavin-containing] A; monoamine oxidase type 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.

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Online datasheet: <https://stage.aaabiotech.com/maoa-rat-elisa-kits/monoamine-oxidase-a/82570>