

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

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CATALOG #
AAA331895

REACTIVITY
Human

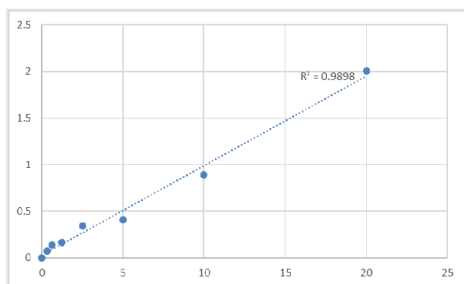
PRODUCT SYNONYMS

Monoamine Oxidase A (MAOA); Human Monoamine Oxidase A (MAOA) ELISA Kit; MAOA; RP1-201D17__B.2; MAOA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Monoamine oxidase A (MAOA) ELISA Kit has high sensitivity and excellent specificity for detection of Human MAOA. No significant cross-reactivity or interference between Human MAOA and analogues was observed.
Sequence Length	27
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Monoamine oxidase A (MAOA) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MAOA elisa kit	Description: This Human Monoamine oxidase A (MAOA) ELISA Kit employs a two-site sandwich ELISA to quantitate MAOA in samples. An antibody specific for MAOA has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MAOA present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MAOA is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MAOA bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Monoamine oxidase A is an isozyme of monoamine oxidase. It preferentially deaminates norepinephrine (noradrenaline), epinephrine (adrenaline), serotonin, and dopamine (dopamine is equally deaminated by MAO-A and MAO-B). It is inhibited by clorgiline and befloxatone. This gene encodes monoamine oxidase A, an enzyme that degrades amine neurotransmitters, such as dopamine, norepinephrine, and serotonin. The protein localizes to the outer mitochondrial membrane. The gene is adjacent to a related gene (MAOB) on the opposite strand of chromosome X. Mutation in this gene results in monoamine oxidase deficiency, or Brunner syndrome. MAO-A levels in the brain as measured using positron emission tomography are elevated by an average of 31 percent in patients with major depressive disorder.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4262061
NCBI GeneID	4128
NCBI Official Full Name	monoamine oxidase A, partial
NCBI Official Synonym Full Names	monoamine oxidase A
NCBI Official Symbol	MAOA
NCBI Official Synonym Symbols	BRNRS; MAO-A
NCBI Protein Information	amine oxidase [flavin-containing] A

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://www.aaabiotech.com/human-elisa-kits/monoamine-oxidase-a-maoa/331895>