

Rat monoamine oxidase (MAO) ELISA Kit | MAO elisa kit

Rat monoamine oxidase, MAO ELISA Kit

CATALOG #
AAA80830

REACTIVITY
Rat

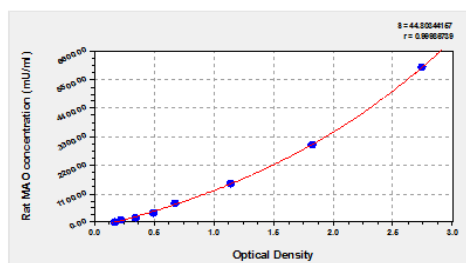
PRODUCT SYNONYMS

monoamine oxidase (MAO); Rat monoamine oxidase; MAO ELISA Kit; Rat monoamine oxidase (MAO) ELISA Kit; MAO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat MAO. No significant cross-reactivity or interference between rat MAO and analogues was observed.
Sequence Length	499
Samples	Serum, plasma, cell culture supernates, tissue homogenates
Assay Type	Sandwich
Detection Range	93.75 mU/ml -6000 mU/ml.
Sensitivity	The minimum detectable dose of rat MAO is typically less than 23.43 mU/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MAO elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for MAO has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MAO present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MAO is added to the wells. After washing, avidin 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 MAO bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	728485
UniProt Accession #	P49253
Molecular Weight	58,937 Da
NCBI Official Full Name	monoamine oxidase
UniProt Protein Name	Amine oxidase [flavin-containing]
UniProt Gene Name	mao
UniProt Synonym Gene Names	MAO
UniProt Entry Name	AOF_ONCMY

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/rat-elisa-kits/monoamine-oxidase-mao/80830>