

Human myo-inositol oxygenase ELISA Kit | MIOX elisa kit

Human Inositol oxygenase, MIOX ELISA Kit

CATALOG #
AAA112706

REACTIVITY
Human

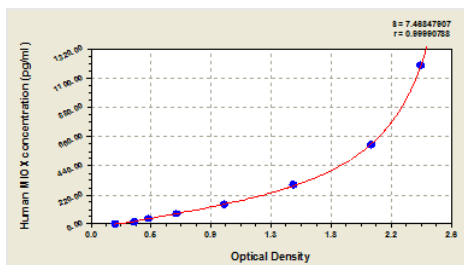
PRODUCT SYNONYMS

myo-inositol oxygenase; Human Inositol oxygenase; MIOX ELISA Kit; Human Inositol oxygenase (MIOX) ELISA kit; RP4-579N16.11; ALDRL6; MGC90217; aldehyde reductase (aldose reductase) like 6; kidney-specific protein 32; MIOX elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human MIOX. No significant cross-reactivity or interference between human MIOX and analogues was observed.
Sequence Length	285
Samples	Serum, plasma, tissue homogenates, cell lysates
Assay Type	Quantitative Sandwich
Detection Range	18.75 pg/ml-1200 pg/ml
Sensitivity	< 4.7 pg/ml
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 MIOX elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for MIOX has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MIOX present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MIOX 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 MIOX 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 #	33667030
NCBI GeneID	55586
NCBI Accession #	NP_060054.4
NCBI GenBank Nucleotide #	NM_017584.5
UniProt Accession #	Q9UGB7; Q05DJ6; Q5S8C9; Q9BZZ1; Q9UHB8
Molecular Weight	33,010 Da
NCBI Official Full Name	inositol oxygenase
NCBI Official Synonym Full Names	myo-inositol oxygenase
NCBI Official Symbol	MIOX
NCBI Official Synonym Symbols	ALDRL6
NCBI Protein Information	inositol oxygenase; MI oxygenase; aldehyde reductase-like 6; kidney-specific protein 32; renal-specific oxidoreductase; aldehyde reductase (aldose reductase) like 6
UniProt Protein Name	Inositol oxygenase
UniProt Gene Name	MIOX
UniProt Synonym Gene Names	ALDRL6; KSP32; RSOR; MI oxygenase
UniProt Entry Name	MIOX_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/miox-human-elisa-kits/myo-inositol-oxygenase/112706>