

Human Inositol Oxygenase (MIOX) ELISA Kit | MIOX elisa kit

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CATALOG #
AAA331763

REACTIVITY
Human

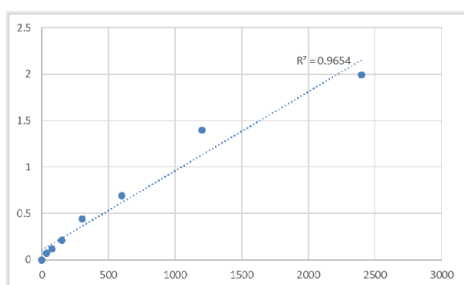
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Inositol oxygenase (MIOX) ELISA Kit 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
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 Inositol oxygenase (MIOX) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MIOX elisa kit	Description: This Human Inositol oxygenase (MIOX) ELISA Kit employs a two-site sandwich ELISA to quantitate MIOX in samples. An 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, 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 MIOX bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MIOX (Myo-Inositol Oxygenase) is a Protein Coding gene. Among its related pathways are Inositol phosphate metabolism (KEGG) and Porphyrin and chlorophyll metabolism. GO annotations related to this gene include iron ion binding and oxidoreductase activity, acting on NAD(P)H.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	33667030
NCBI GeneID	55586
NCBI Accession #	NP_060054.4
NCBI GenBank Nucleotide #	NP_060054.4
UniProt Accession #	Q9UGB7
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
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://www.aaabiotech.com/human-elisa-kits/inositol-oxygenase-miox/331763>