

Chicken Inositol oxygenase (MIOX) ELISA Kit | MIOX elisa kit

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CATALOG #
AAA27148

REACTIVITY
Chicken

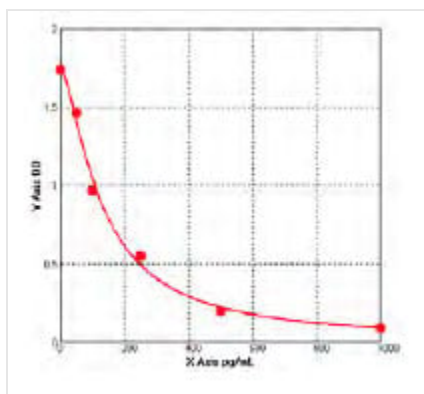
PRODUCT SYNONYMS

Inositol oxygenase (MIOX); Chicken Inositol oxygenase (MIOX) ELISA Kit; MIOX elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MIOX elisa kit

Intended Uses: This MIF ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine MIF. This ELISA kit for research use only!

Principle of the Assay: MIF ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-MIF antibody and an MIF-HRP conjugate. The assay sample and buffer are incubated together with MIF-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 MIF concentration since MIF from samples and MIF-HRP conjugate compete for the anti-MIF antibody binding site. Since the number of sites is limited, as more sites are occupied by MIF from the sample, fewer sites are left to bind MIF-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MIF concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	33667030
NCBI GeneID	55586
NCBI Accession #	NP_060054.4
NCBI GenBank Nucleotide #	NM_017584.5
Molecular Weight	24,516 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://www.aaabiotech.com/chicken-elisa-kits/inositol-oxygenase-miox/27148>