

Human Inducible nitric oxide synthase ELISA Kit | iNOS elisa kit

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CATALOG #
AAA16161

REACTIVITY
Human

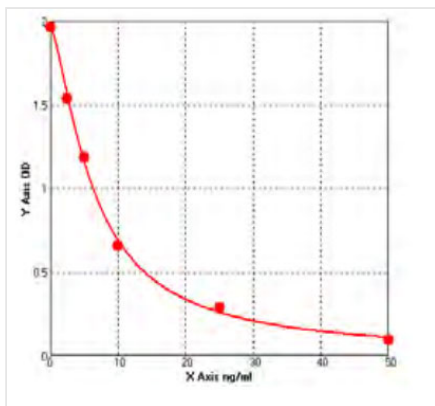
PRODUCT SYNONYMS

Inducible nitric oxide synthase; Human Inducible nitric oxide synthase ELISA Kit; iNOS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of iNOS. No significant cross-reactivity or interference between iNOS and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between iNOS and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for iNOS elisa kit	Principle of the Assay: iNOS ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-iNOS antibody and an iNOS-HRP conjugate. The assay sample and buffer are incubated together with iNOS-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 iNOS concentration since iNOS from samples and iNOS-HRP conjugate compete for the anti-iNOS antibody binding site. Since the number of sites is limited, as more sites are occupied by iNOS from the sample, fewer sites are left to bind iNOS-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The iNOS concentration in each sample is interpolated from this standard curve. Intended Uses: This iNOS ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human iNOS. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for iNOS elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	17137626
NCBI GeneID	35671
NCBI Accession #	NP_477405.1
NCBI GenBank Nucleotide #	NM_058057.6
Molecular Weight	62,249 Da
NCBI Official Full Name	inos
NCBI Official Symbol	Inos
NCBI Official Synonym Symbols	bs36h12.y1; CG11143; DmelCG11143; INOS
NCBI Protein Information	CG11143 gene product from transcript CG11143-RA; CG11143-PA; Inos-PA; inos; myo-inositol-1-phosphate-synthase
UniProt Protein Name	Inositol-3-phosphate synthase
UniProt Gene Name	Inos
UniProt Synonym Gene Names	CG11143; MIP synthase; IPS; MI-1-P synthase
UniProt Entry Name	INO1_DROME

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/inos-human-elisa-kits/inducible-nitric-oxide-synthase/16161>