

Rabbit Inducible nitric oxide synthase ELISA Kit | iNOS elisa kit

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CATALOG #
AAA83943

REACTIVITY
Rabbit

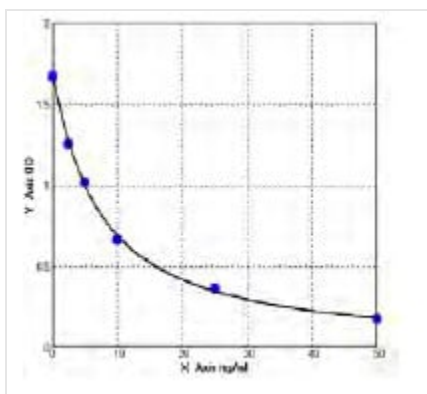
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Samples	Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for iNOS elisa kit	For Samples: Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma Intended Uses: This INOS ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of INOS in the sample, this INOS ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus INOS concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve. Principle of the Assay: The coated well immunoenzymatic assay for the quantitative measurement of INOS utilizes a monoclonal 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. Standards of known INOS concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of INOS. The INOS concentration in each sample is interpolated from this standard curve.
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-rabbit-elisa-kits/inducible-nitric-oxide-synthase/83943>