

Rat nitric oxide synthase 2, inducible ELISA Kit | NOS2 elisa kit

Rat inducible nitric oxide synthase, iNOS ELISA Kit

CATALOG #
AAA15420

REACTIVITY
Rat

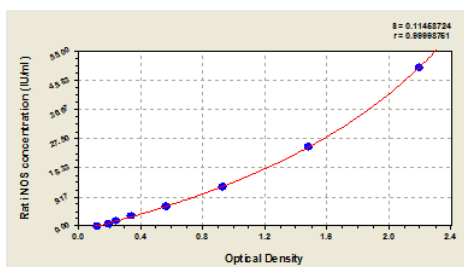
PRODUCT SYNONYMS

nitric oxide synthase 2; inducible; Rat inducible nitric oxide synthase; iNOS ELISA Kit; iNOS ELISA KIT; HEP-NOS; INOS; NOS; NOS2A; type II; nitric oxide synthase 2A; nitric oxide synthase 2A (inducible; hepatocytes) ; nitric oxide synthase; macrophage; NOS2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat iNOS. No significant cross-reactivity or interference between rat iNOS and analogues was observed.
Sequence Length	496
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	0.78 IU/ml -50 IU/ml.
Sensitivity	The minimum detectable dose of rat iNOS is typically less than 0.195 IU/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
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 NOS2 elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for iNOS has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any iNOS present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for iNOS 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 iNOS 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 #	8473491
UniProt Accession #	O19114
Molecular Weight	56,397 Da
NCBI Official Full Name	Nitric oxide synthase, inducible
UniProt Protein Name	Nitric oxide synthase, inducible
UniProt Gene Name	NOS2
UniProt Synonym Gene Names	Inducible NOS; iNOS
UniProt Entry Name	NOS2_RABIT

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/nos2-rat-elisa-kits/nitric-oxide-synthase-2-inducible/15420>