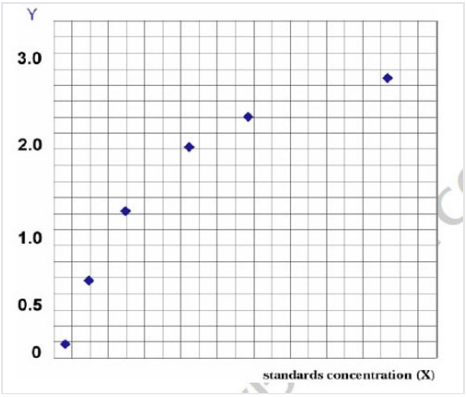
Endothelial Nitric Oxide Synthase 3 (ENOS 3) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Endothelial nitric oxide synthase 3 (ENOS 3), ELISA Kit
Full Product Name	Human Endothelial nitric oxide synthase 3 ELISA Kit
Product Gene Name	ENOS 3 elisa kit
Species Reactivity	Human
Assay Type	Competitive
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.
Molecular Weight	51,109 Da
Sample Preparation	We suggest pre-experimenting with neat (undiluted) samples, 1:2 or 1:4 dilutions. Please avoid diluting your samples more than 1:10 as it would exceed the dilution limit set for this kit. If the expected concentration of the target is beyond the detection range of the kit, please contact our technical support team
ISO Certification	Manufactured in an ISO 13485:2016 Certified Laboratory.
Related Product Information for ENOS 3 elisa kit	**Intended Uses:** This ENOS-3 ELISA kit is intended Laboratory for 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 ofENOS-3 in the sample, thisENOS-3 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 versusENOS-3 concentration. The concentration ofENOS-3 in the samples is then determined by comparing the O.D. of the samples to the standard curve. **Principle of the Assay:** This ENOS-3 enzyme linked immunosorbent assay applies a technique called a quantitative sandwich immunoassay. The microtiter plate provided in this kit has been pre-coated with a monoclonal antibody specific forENOS-3. Standards or samples are then added to the microtiter plate wells andENOS-3 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount ofENOS-3 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific forENOS-3 are added to each well to "sandwich" theENOS-3 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, A and B substrate solution is added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period.Only those wells that containENOS-3 and enzyme-conjugated antibody will exhibit a change in colour. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the colour change is measured spectrophotometrically at a wavelength of 450 nm.
Other Notes	Small volumes of ENOS 3 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ENOS 3 purchase	MBS720262 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Endothelial nitric oxide synthase 3 (ENOS 3) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing ENOS 3. The ELISA analytical biochemical technique of the MBS720262 kit is based on ENOS 3 antibody-ENOS 3 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect ENOS 3 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, ENOS 3. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



Typical Testing Data/Standard Curve (for reference only) of ENOS 3 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ENOS 3. It may not necessarily be applicable to this product.

NCBI GI #	379975450
NCBI Accession #	AFD20686.1
NCBI Official Full Name	endothelial nitric oxide synthase 3 isoform 3, partial
UniProt Protein Name	Endothelial nitric oxide synthase 3 isoform 3
UniProt Synonym Protein Names	Endothelial nitric oxide synthase 3 isoform 3
UniProt Gene Name	NOS3
UniProt Entry Name	H9CZQ8_CHICK
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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