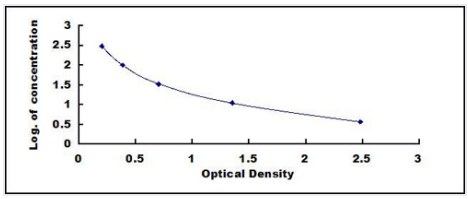
Nitrotyrosine (NT) ELISA Kit for General

PRODUCT OVERVIEW

Product Name	Nitrotyrosine (NT), ELISA Kit
Full Product Name	General Nitrotyrosine (NT) ELISA Kit
Product Gene Name	NT elisa kit
Product Synonym Names	3-Nitro-L-Tyrosine; 3-Nitrotyrosine
Species Reactivity	General
Assay Type	Competitive Inhibition
Samples	Serum, Plasma and Other Biological Fluids
Detection Range	3.70-300ng/mL
Sensitivity	< 1.35ng/mL
Specificity	This assay has high sensitivity and excellent specificity for detection of Nitrotyrosine (NT). No significant cross-reactivity or interference between Nitrotyrosine (NT) and analogues was observed.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Nitrotyrosine (NT) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Nitrotyrosine (NT) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
ISO Certification	Manufactured in an ISO 9001:2008 and ISO 13485:2003 Certified Laboratory.
Related Product Information for NT elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Nitrotyrosine (NT) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Nitrotyrosine (NT) and unlabeled Nitrotyrosine (NT) (Standards or samples) with the pre-coated antibody specific to Nitrotyrosine (NT). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Nitrotyrosine (NT) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Nitrotyrosine (NT) in the sample.
Other Notes	Small volumes of NT 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 NT purchase	MBS2700537 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Nitrotyrosine (NT) 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 NT. The ELISA analytical biochemical technique of the MBS2700537 kit is based on NT antibody-NT antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect NT antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, NT. 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 NT elisa kit

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/general-elisa-kits/nitrotyrosine-nt/2700537