

Human 4 Nitrotyrosine ELISA Kit | 4 NT elisa kit

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CATALOG #
AAA87658

REACTIVITY
Human

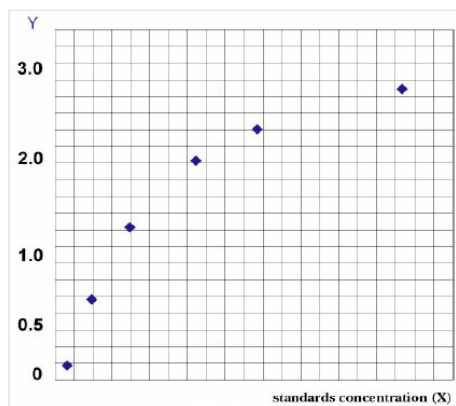
PRODUCT SYNONYMS

4 Nitrotyrosine; Human 4 Nitrotyrosine ELISA Kit; 4 NT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for 4 NT elisa kit

Intended Uses: This 4-NT 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 of 4-NT in the sample, this 4-NT 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 4-NT concentration. The concentration of 4-NT in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: This 4-NT 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 for 4-NT. Standards or samples are then added to the microtiter plate wells and 4-NT if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of 4-NT present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for 4-NT are added to each well to "sandwich" the 4-NT 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 contain 4-NT 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.

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/4-nt-human-elisa-kits/4-nitrotyrosine/87658>