

Nitrotyrosine ELISA Kit

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CATALOG #
AAA103873

REACTIVITY
Species Independent

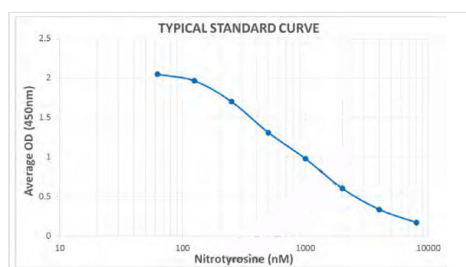
PRODUCT SYNONYMS

Nitrotyrosine; Nitrotyrosine ELISA Kit; Nitro tyrosine ELISA Kit; 3-Nitrotyrosine ELISA Kit; 3-Nitro-L-tyrosine ELISA Kit; 3 Nitrotyrosine ELISA Kit; 3-NT ELISA Kit; 3NT ELISA Kit; Nitrotyrosine elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Species Independent
Specificity	ELISA kit used to quantitate Nitrotyrosine in samples.
Detection Range	62.5-8000 nM
Intra-assay Precision	To determine Intra-Assay Precision, three samples of known concentration were assayed thirty times on one plate. The intra-assay coefficient of variation of the Nitrotyrosine ELISA has been determined to be <10%.
Inter-assay Precision	To determine Inter-Assay Precision, three samples of known concentration were assayed thirty times in three individual assays. The inter-assay coefficient of variation of the Nitrotyrosine ELISA has been determined to be <15%.
Preparation and Storage	Store at 4 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Nitrotyrosine elisa kit

Background: Nitrotyrosine has been identified as a marker of inflammation and NO production. Nitrotyrosine is formed in presence of the active metabolite NO. Various pathways including the formation of peroxynitrite lead to nitrotyrosine production. Since nitrotyrosine is a stable end product of peroxynitrite oxidation, assessment of its plasma concentration may be useful as a marker of NO-dependent damage in vivo. Since NOX is only an indicator for enhanced NO production, protein associated nitrotyrosine might be a more suitable marker for damage induced by reactive nitrogen intermediates derived from NO. Furthermore, most proteins have a longer half life in the circulation than NOX levels. The presence of nitrotyrosine has been detected in various inflammatory processes including atherosclerotic plaques, celiac disease, rheumatoid arthritis, chronic renal failure and septic shock. In normal plasma low, undetectable, levels of nitrotyrosine are present. Nitrosylation of the amino acid tyrosine occurs both for free tyrosine and for protein bound tyrosine.

Product Categories/Family for Nitrotyrosine elisa kit

StressXpress Kits; Cancer; Oxidative Stress; Cell Signaling; Post-translational Modifications; Nitration; Neuroscience; Neurodegeneration; Alzheimer's Disease; Parkinson's Disease

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/elisa-kits/nitrotyrosine/103873>