

Rat 3-nitrotyrosine ELISA Kit | 3-NT elisa kit

Rat 3-nitrotyrosine (3-NT) ELISA Kit

CATALOG #
AAA55820

REACTIVITY
Rat

PRODUCT SYNONYMS

3-nitrotyrosine; Rat 3-nitrotyrosine (3-NT) ELISA Kit; 3-NT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat 3-NT. No significant cross-reactivity or interference between Rat 3-NT and analogues was observed.
Samples	Serum, Plasma, Other biological fluids
Assay Type	Sandwich
Sample Volume	1-200 uL
Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. $CV (\%) = SD/mean \times 100$ Intra-Assay: CV Inter-Assay: CV
Detection Wavelength	450 nm
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for 3-NT elisa kit

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate 3-NT in samples. An antibody specific for 3-NT has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any 3-NT present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for 3-NT is added to the wells. After washing, Streptavidin 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 3-NT bound in the initial step. The color development is stopped and the intensity of the color is measured.

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://www.aaabiotech.com/3-nt-rat-elisa-kits/3-nitrotyrosine/55820>