



User's Manual

3-NT(3-Nitrotyrosine) ELISA Kit



DEIA-NS2307-29



96T





This product is for research use only and is not intended for diagnostic use.

For illustrative purposes only. To perform the assay the instructions for use provided with the kit have to be used.

Creative Diagnostics

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PRODUCT INFORMATION

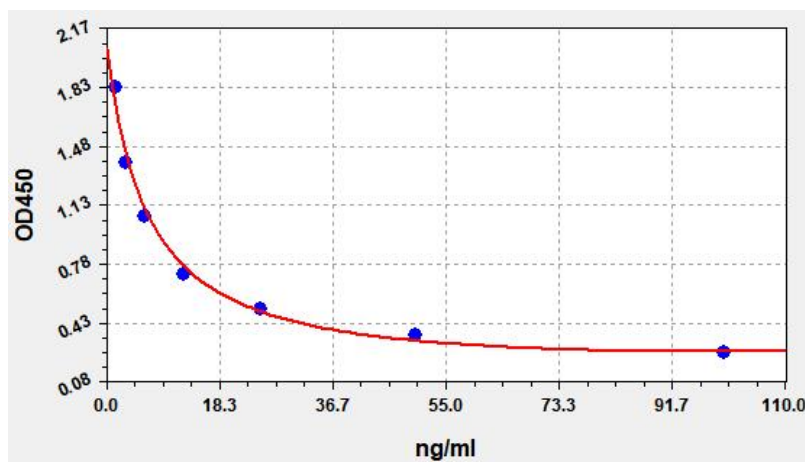
Intended Use

3-NT ELISA Kit allows for the in vitro quantitative determination of 3-NT concentrations in serum, plasma, tissue homogenates and other biological fluids.

Storage

2-8 °C for 6 months

Typical Standard Curve



Precision

Intra-Assay: CV<8%

Inter-Assay: CV<10%

Detection Range

1.563-100ng/ml

Sensitivity

< 0.938ng/ml

Linearity

The linearity of the kit was assayed by testing samples spiked with appropriate concentration of 3-NT and their serial dilutions. The results were demonstrated by the percentage of calculated concentration to the

expected.

Sample	1:2	1:4	1:8
serum(n=5)	85-105%	93-105%	93-105%
EDTA plasma(n=5)	88-101%	82-100%	93-101%
heparin plasma(n=5)	81-94%	81-100%	87-99%

Recovery

Matrices listed below were spiked with certain level of 3-NT and the recovery rates were calculated by comparing the measured value to the expected amount of 3-NT in samples.

Matrix	Recovery range(%)	Average(%)
serum(n=5)	91-103	99
EDTA plasma(n=5)	85-105	97
heparin plasma(n=5)	89-101	95