



User's Manual

Mouse 4-HNE(4-Hydroxynonenal) ELISA Kit

REF

DEIA-BJ2486



96T

RUO

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

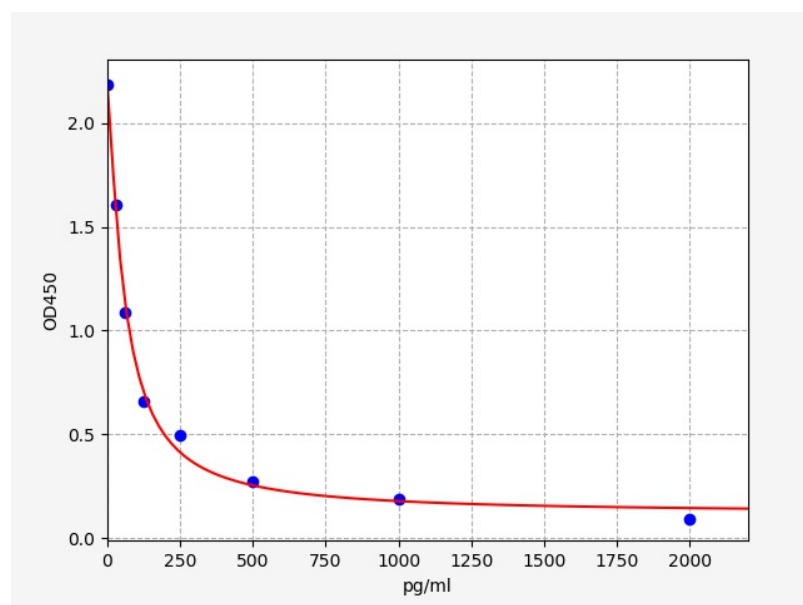
Intended Use

In vitro quantitative determination of 4-HNE concentrations in serum, plasma, cell culture supernatant and other biological samples.

Storage

2-8 °C for 6 months

Typical Standard Curve



Precision

Intra-Assay: CV<8%

Inter-Assay: CV<10%

Detection Range

31.25-2000pg/ml

Sensitivity

< 18.75pg/ml

Specificity

Specifically recognize 4-HNE, no obvious cross reaction with other analogues

Linearity

Dilute the sample with a certain amount of 4-HNE at 1:2, 1:4 and 1:8 to get the recovery range.

| Matrix | 1:2 | 1:4 | 1:8 |
|----------------------|--------|---------|---------|
| Serum(n=10) | 86-98% | 85-101% | 82-96% |
| EDTA Plasma(n=10) | 83-97% | 87-96% | 84-100% |
| Heparin Plasma(n=10) | 87-99% | 80-104% | 99-104% |

Recovery

Add a certain amount of 4-HNE into the sample. Calculate the recovery by comparing the measured value with the expected amount of 4-HNE in the sample.

| Matrix | Recovery Range (%) | Average (%) |
|----------------------|--------------------|-------------|
| Serum(n=10) | 91-102 | 93 |
| EDTA Plasma(n=10) | 88-104 | 94 |
| Heparin Plasma(n=10) | 86-102 | 97 |