

Rat 4-Hydroxynonenal ELISA Kit | HNE elisa kit

Rat 4-Hydroxynonenal (HNE) ELISA Kit

CATALOG #
AAA55851

REACTIVITY
Rat

PRODUCT SYNONYMS

4-Hydroxynonenal; Rat 4-Hydroxynonenal (HNE) ELISA Kit; HNE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat HNE. No significant cross-reactivity or interference between Rat HNE and analogues was observed.
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	31.25 pmol/mL - 2000 pmol/mL
Sensitivity	10.4 pmol/mL
Intra-assay 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. Intra-Assay: CV<8%
Inter-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/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for HNE elisa kit

Intended Uses: For the quantitative detection of Rat 4-Hydroxynonenal (HNE) concentration in serum, plasma and other biological fluids.

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate HNE in Rat serum, plasma. An antibody specific for HNE has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any HNE present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for HNE 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 HNE 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/hne-rat-elisa-kits/4-hydroxynonenal/55851>