

General 10-HETE (10-Hydroxyeicosatetraenoic Acid) ELISA Kit | 10-HETE elisa kit

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CATALOG #
AAA277133

REACTIVITY
General

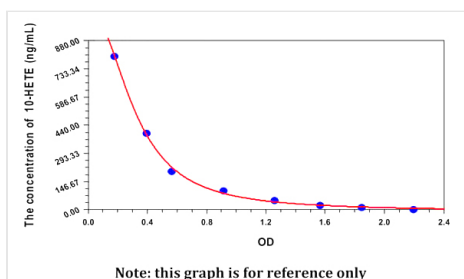
PRODUCT SYNONYMS

10-HETE (10-Hydroxyeicosatetraenoic Acid); General 10-HETE (10-Hydroxyeicosatetraenoic Acid) ELISA Kit; 10-HETE; 10-HETE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	This assay has high sensitivity and excellent specificity for detection of General 10-HETE. No significant cross-reactivity or interference between General 10-HETE and analogues was observed.
Assay Type	Competitive
Detection Range	12.5-800 ng/mL
Sensitivity	3.95 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV%<8% Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (Precision between assays)? CV%<10% Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for 10-HETE elisa kit

Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with 10-Hydroxyeicosatetraenoic Acid(10-HETE) protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to 10-Hydroxyeicosatetraenoic Acid(10-HETE). Next,Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm $\pm$ 10nm. The concentration of 10-Hydroxyeicosatetraenoic Acid(10-HETE) in the samples is then determined by comparing the OD of the samples to the standard curve.

Product Categories/Family for 10-HETE elisa kit

Enzyme & Kinase

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/general-elisa-kits/10-hete-10-hydroxyeicosatetraenoic-acid/277133>