

Rat 20-Hydroxyeicosatetraenoic Acid ELISA Kit | 20-HETE elisa kit

Rat 20-Hydroxyeicosatetraenoic Acid ELISA Kit

CATALOG #
AAA247278

REACTIVITY
Rat

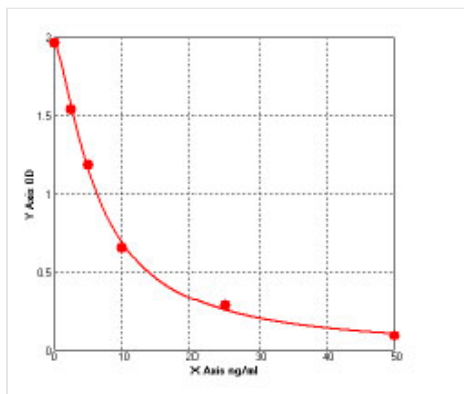
PRODUCT SYNONYMS

20-Hydroxyeicosatetraenoic Acid; Rat 20-Hydroxyeicosatetraenoic Acid ELISA Kit; 20-HETE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of 20HETE. No significant cross-reactivity or interference between 20HETE and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between 20HETE and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Reactivity Note	No significant cross-reactivity or interference between this antigen and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection, therefore, cross reaction may still exist in some cases.
Preparation and Storage	Store at 2-8 degree C. The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for 20-HETE elisa kit	Principle of the Assay: 20HETE ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-20HETE antibody and an 20HETE-HRP conjugate. The assay sample and buffer are incubated together with 20HETE-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the 20HETE concentration since 20HETE from samples and 20HETE-HRP conjugate compete for the anti-20HETE antibody binding site. Since the number of sites is limited, as more sites are occupied by 20HETE from the sample, fewer sites are left to bind 20HETE-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The 20HETE concentration in each sample is interpolated from this standard curve. Intended Uses: This 20HETE ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat 20HETE. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for 20-HETE elisa kit	Cell Biology; Metabolism; Cardiovascular

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://stage.aaabiotech.com/20-hete-rat-elisa-kits/20-hydroxyeicosatetraenoic-acid/247278>