

Porcine 18-hydroxyecosapentaenoic acid ELISA Kit | 18-HEPE elisa kit

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CATALOG #
AAA247710

REACTIVITY
Porcine

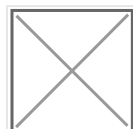
PRODUCT SYNONYMS

18-hydroxyecosapentaenoic acid; Porcine 18-hydroxyecosapentaenoic acid ELISA Kit; 18-HEPE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This assay has high sensitivity and excellent specificity for detection of 18-HEPE. No significant cross-reactivity or interference between 18-HEPE and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between 18-HEPE 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	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for 18-HEPE elisa kit

Principle of the Assay: 18-HEPE ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-18-HEPE antibody and an 18-HEPE-HRP conjugate. The assay sample and buffer are incubated together with 18-HEPE-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 18-HEPE concentration since 18-HEPE from samples and 18-HEPE-HRP conjugate compete for the anti-18-HEPE antibody binding site. Since the number of sites is limited, as more sites are occupied by 18-HEPE from the sample, fewer sites are left to bind 18-HEPE-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The 18-HEPE concentration in each sample is interpolated from this standard curve.

Intended Uses: This 18-HEPE ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine 18-HEPE. This ELISA kit for research use only, not for therapeutic or test applications!

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.