

Human 5-Hydroxyeicosatetraenoic Acid ELISA Kit | 5-HETE elisa kit

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CATALOG #
AAA100354

REACTIVITY
Human

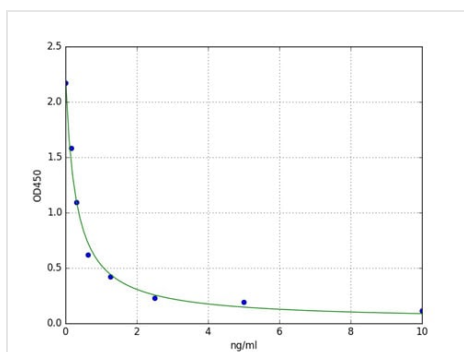
PRODUCT SYNONYMS

5-Hydroxyeicosatetraenoic Acid; Human 5-Hydroxyeicosatetraenoic Acid ELISA Kit; 5-HETE (5-Hydroxyeicosatetraenoic Acid); 5-HETE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Competitive ELISA, Coated with Antigen
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Typical Data & Standard Curve

Results of a typical standard run of a Human 5-HETE ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	156	312.5	625	1250	2500	5000	10000
Y	OD450	2.090	1.893	1.551	1.243	0.924	0.593	0.448	0.379

Standard Curve (Sample)

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for 5-HETE elisa kit

Principle of the Assay||This ELISA kit uses Competitive-ELISA as the method. The microtiter plate provided in this kit has been pre-coated with Human 5-HETE. During the reaction, Human 5-HETE in the sample or standard competes with a fixed amount of Human 5-HETE on the solid phase supporter for sites on the Biotinylated Detection Antibody specific to Human 5-HETE. Excess conjugate and unbound sample or standard are washed from the plate, and HRP-Streptavidin (SABC) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. The concentration of Human 5-HETE in the samples is then determined by comparing the O.D. of the samples to the standard curve.

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.