

Bovine 15 (S) -Hydroxyeicosatetraenoic Acid ELISA Kit | 15-S-HETE elisa kit

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CATALOG #
AAA97471

REACTIVITY
Bovine

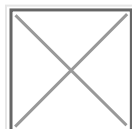
PRODUCT SYNONYMS

15 (S) -Hydroxyeicosatetraenoic Acid; Bovine 15 (S) -Hydroxyeicosatetraenoic Acid ELISA Kit; 15-S-HETE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Intended Uses	This 15-S-HETE ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine 15-S-HETE. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for 15-S-HETE elisa kit

Principle of the Assay: 15-S-HETE ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-15-S-HETE antibody and an 15-S-HETE-HRP conjugate. The assay sample and buffer are incubated together with 15-S-HETE-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 15-S-HETE concentration since 15-S-HETE from samples and 15-S-HETE-HRP conjugate compete for the anti-15-S-HETE antibody binding site. Since the number of sites is limited, as more sites are occupied by 15-S-HETE from the sample, fewer sites are left to bind 15-S-HETE-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The 15-S-HETE concentration in each sample is interpolated from this standard curve.

Product Categories/Family for 15-S-HETE elisa kit

Cell Biology

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.