

Bovine Arachidonic Acid ELISA Kit | AA elisa kit

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CATALOG #
AAA91721

REACTIVITY
Bovine

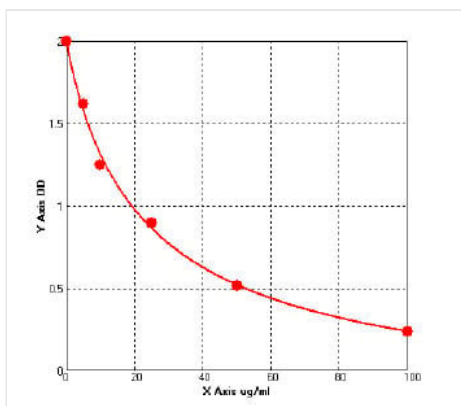
PRODUCT SYNONYMS

Arachidonic Acid; Bovine Arachidonic Acid ELISA Kit; AA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of AA. No significant cross-reactivity or interference between AA and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between AA and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ug/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AA elisa kit	Intended Uses: This AA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine AA. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: AA ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-AA antibody and an AA-HRP conjugate. The assay sample and buffer are incubated together with AA-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 AA concentration since AA from samples and AA-HRP conjugate compete for the anti-AA antibody binding site. Since the number of sites is limited, as more sites are occupied by AA from the sample, fewer sites are left to bind AA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AA concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	455747
Molecular Weight	56,433 Da
NCBI Official Full Name	arachidonic acid epoxygenase, partial
UniProt Protein Name	Cytochrome P450 2C23
UniProt Gene Name	Cyp2c23
UniProt Synonym Gene Names	Cyp2c-23
UniProt Entry Name	CP2CN_RAT

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://stage.aaabiotech.com/aa-bovine-ovine-elisa-kits/arachidonic-acid/91721>