

Canine Arachidonic Acid ELISA Kit | AA elisa kit

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CATALOG #
AAA92246

REACTIVITY
Canine

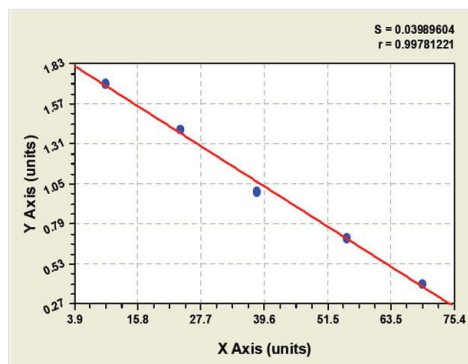
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	10-2500pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This AA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine AA. 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 AA elisa kit	Principle of the Assay: AA ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal 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-canine-elisa-kits/arachidonic-acid/92246>