

Mouse Arachidonic Acid ELISA Kit | AA elisa kit

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CATALOG #
AAA16217

REACTIVITY
Mouse

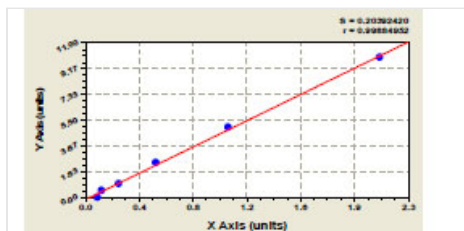
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	10-2500pg/mL
Sensitivity	1.0pg/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 Human AA. This ELISA kit for research use only!

Principle of the Assay: AA ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for AA. Standards or samples are then added to the microtiter plate wells and AA if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of AA present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for AA are added to each well to "sandwich" the AA immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain AA and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. 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.

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://www.aaabiotech.com/aa-mouse-elisa-kits/arachidonic-acid/16217>