

Mouse Arachidonic Acid (AA) ELISA Kit | AA elisa kit

Mouse Arachidonic Acid, AA ELISA Kit

CATALOG #
AAA80502

REACTIVITY
Mouse

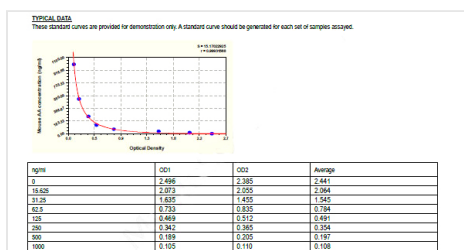
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of mouse AA. No significant cross-reactivity or interference between mouse AA and analogues was observed.
Sequence Length	86
Samples	Serum, plasma, tissue homogenates
Assay Type	Competitive
Detection Range	15.625 ng/ml-1000 ng/ml.
Sensitivity	The minimum detectable dose of mouse AA is typically less than 13.797 ng/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest mouse AA concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AA elisa kit	Principle of the assay: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to AA. Standards or samples are added to the appropriate microtiter plate wells with Horseradish Peroxidase (HRP) conjugated AA. The competitive inhibition reaction is launched between with HRP-conjugated AA and AA in samples. A substrate solution is added to the wells and the color develops in opposite to the amount of AA in the sample. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	455747
UniProt Accession #	P24470; Q63914; Q64534
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/mouse-elisa-kits/arachidonic-acid-aa/80502>