

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

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CATALOG #
AAA182229

REACTIVITY
General

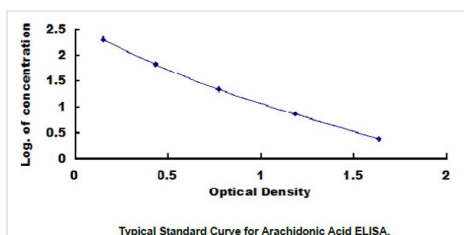
PRODUCT SYNONYMS

Arachidonic Acid (AA); General Arachidonic Acid (AA) ELISA Kit; ARA; AA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	This assay has high sensitivity and excellent specificity for detection of arachidonic acid. No significant cross-reactivity or interference between arachidonic acid and analogues was observed.
Sequence Length	54
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Assay Type	Quantitative Competitive
Detection Range	2.47-200ug/mL
Sensitivity	< 0.93ug/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level arachidonic acid were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level arachidonic acid were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AA elisa kit	Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of arachidonic acid in serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to arachidonic acid has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled arachidonic acid and unlabeled arachidonic acid (Standards or samples) with the pre-coated antibody specific to arachidonic acid. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of arachidonic acid in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of arachidonic acid in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1122251
UniProt Accession #	Q00378
Molecular Weight	5,998 Da
NCBI Official Full Name	aa, partial
UniProt Protein Name	Aa protein
UniProt Gene Name	aa

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/general-elisa-kits/arachidonic-acid-aa/182229>