

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

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CATALOG #
AAA331037

REACTIVITY
Human

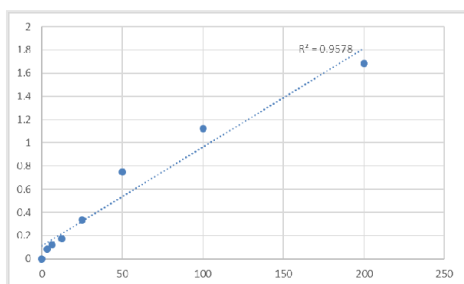
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Arachidonic Acid (AA) ELISA Kit has high sensitivity and excellent specificity for detection of Human AA. No significant cross-reactivity or interference between Human AA and analogues was observed.
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Arachidonic Acid (AA) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for AA elisa kit	Description: This Human Arachidonic Acid (AA) ELISA Kit employs a two-site sandwich ELISA to quantitate AA in samples. An antibody specific for AA has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any AA present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for AA is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of AA bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Arachidonic acid (AA, sometimes ARA) is an omega-6 fatty acid 20:4(omega-6). It is the counterpart to the saturated arachidic acid found in peanut oil, In chemical structure, arachidonic acid is a carboxylic acid with a 20-carbon chain and four cis double bonds; the first double bond is located at the sixth carbon from the omega end. Some chemistry sources define 'arachidonic acid' to designate any of the eicosatetraenoic acids. However, almost all writings in biology, medicine and nutrition limit the term to all-cis 5,8,11,14-eicosatetraenoic acid. Arachidonic acid is a polyunsaturated fatty acid that is present in the phospholipids (especially phosphatidylethanolamine, phosphatidylcholine and phosphatidylinositides) of membranes of the body's cells, and is abundant in the brain and muscles.
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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/human-elisa-kits/arachidonic-acid-aa/331037>