

Human Eicosapentaenoic acid (EPA) ELISA Kit | EPA elisa kit

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CATALOG #
AAA11343

REACTIVITY
Human

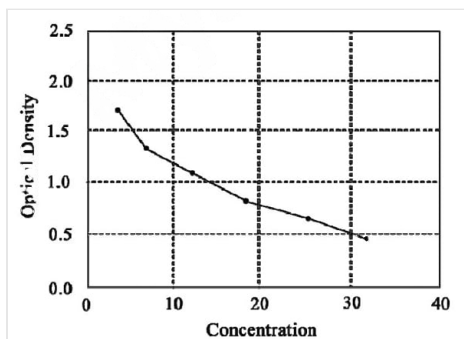
PRODUCT SYNONYMS

Eicosapentaenoic acid (EPA); Human Eicosapentaenoic acid (EPA) ELISA Kit; EPA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Competitive
Samples	Serum, plasma, cell culture supernates, cell lysates, tissue homogenates
Detection Range	5ng/ml - 1800ng
Sensitivity	2.42ng/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision. Intra-Assay: CV< 10%
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision. CV(%) = SD/mean x 100. Inter-Assay: CV< 12%
Preparation and Storage	Store at 2 to 8 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EPA elisa kit	Principle of the Assay: This kit is a Enzyme-Linked Immunosorbent Assay (ELISA). EPA standards or samples are added to the wells pre-coated with a monoclonal antibody. Then biotin-conjugated target antigen are added to the wells. The antigens in the standards or samples compete with the biotin-conjugated antigen to bind to the capture antibody and incubate. Unbound antigen is washed away during a washing step. An avidin-HRP is then added and then incubate. Unbound avidin-HRP is washed away during a washing step. TMB Substrate is then added and color develops. The reaction is stopped by addition of acidic stop solution and color changes into yellow that can be measured at 450 nm. The intensity of the color developed is inversely proportional to the concentration of EPA in the sample. The concentration of EPA in the sample is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: This competitive kit is for the quantification of Eicosapentaenoic acid(also known as EPA) in serum, plasma, cell culture supernates, cell lysates, tissue homogenates.
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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://stage.aaabiotech.com/human-elisa-kits/eicosapentaenoic-acid-epa/11343>