

General Docosahexaenoic Acid (DHA) ELISA Kit | DHA elisa kit

General Docosahexaenoic Acid (DHA) ELISA Kit

CATALOG #
AAA20808

REACTIVITY
General

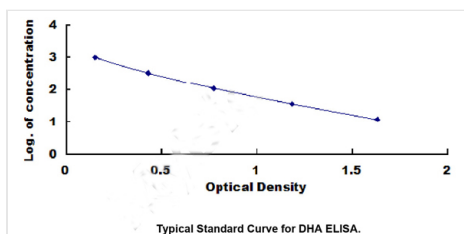
PRODUCT SYNONYMS

Docosahexaenoic Acid (DHA); General Docosahexaenoic Acid (DHA) ELISA Kit; Doconexent; Cervonic Acid; DHA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	This assay has high sensitivity and excellent specificity for detection of DHA. No significant cross-reactivity or interference between DHA and analogues was observed.
Assay Type	Quantitative Competitive
Samples	Serum, plasma and other biological fluids
Detection Range	12.35-1,000pg/mL
Sensitivity	< 5.16pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level DHA 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 DHA 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 DHA elisa kit	Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to DHA has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled DHA analogues and unlabeled antigen (Standards or samples) with the pre-coated antibody. 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 DHA in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of DHA in the sample. Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of DHA in serum, plasma and other biological fluids.
References	Resolvin D1 Prevents the Impairment in the Retention Memory and Hippocampal Damage in Rats Fed a Corn Oil-Based High Fat Diet by Upregulation of Nrf2 and Downregulation and Inactivation of p66Shc; Neurochem Res; 2020 Jul;45(7):1576-1591.; PMID: 32253649; Dalia G Mostafa; Department of Medical Physiology, College of Medicine, Kingdom of Saudi Arabia, King Khalid University, P.O. Box 3340, Abha, 61421, Kingdom of Saudi Arabia. dalia_gamal66@yahoo.com.

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/general-elisa-kits/docosahexaenoic-acid-dha/20808>