

General 7-Dehydrocholesterol (7-DHC) ELISA Kit | 7-DHC elisa kit

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CATALOG #
AAA21133

REACTIVITY
General

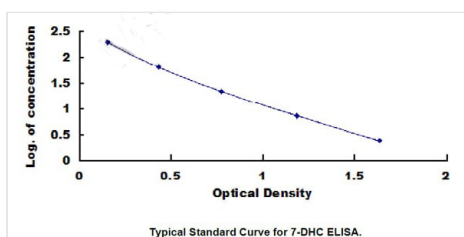
PRODUCT SYNONYMS

7-Dehydrocholesterol (7-DHC); General 7-Dehydrocholesterol (7-DHC) ELISA Kit; 7-DHC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	This assay has high sensitivity and excellent specificity for detection of 7-DHC. No significant cross-reactivity or interference between 7-DHC and analogues was observed.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	2.47-200ng/mL
Sensitivity	< 0.93ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level 7-DHC 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 7-DHC were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all the reagents should be kept according to the label on each vial. The Standard, Detection Reagent A, Detection Reagent B and the 96-well strip plate should be stored at -20 degree C while others should be at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for 7-DHC elisa kit	Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to 7-DHC has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled 7-DHC and unlabeled 7-DHC (Standards or samples) with the pre-coated antibody specific to 7-DHC. 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 7-DHC in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of 7-DHC in the sample. Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of 7-DHC in serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
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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/general-elisa-kits/7-dehydrocholesterol-7-dhc/21133>