

Chenodeoxycholic Acid ELISA Kit

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CATALOG #
AAA44628

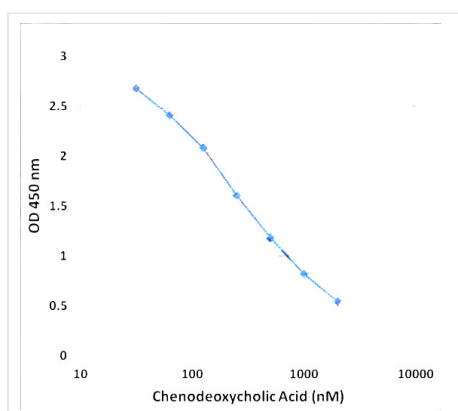
PRODUCT SYNONYMS

Chenodeoxycholic Acid; Chenodeoxycholic Acid ELISA Kit; Chenodeoxycholic Acid elisa kit

PRODUCT SPECIFICATIONS

Assay Type	Quantitative Competitive
Preparation and Storage	Upon receipt, aliquot and store both the Anti-Chenodeoxycholic Acid Antibody and 100X Chenodeoxycholic Acid Conjugate at -20 degree C and avoid multiple freeze/thaw cycles Store all other components at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Chenodeoxycholic Acid elisa kit	Background: Chenodeoxycholic acid is a primary bile acid. Along with cholic acid, chenodeoxycholic acid is one of the two major bile acids synthesized from cholesterol by the liver. Bile is a complex mixture of lipids, protein, carbohydrates, mineral salts, vitamins, and various trace elements, with bile acids making up about 67% of the total composition. Bile acids are produced from excess cholesterol, secreted from the liver, absorbed into the small intestines, and returned to the liver with portal blood. While bile acid synthesis is critical for the removal of cholesterol from the body, bile acids are also needed for proper uptake of dietary lipids, fat soluble vitamins, and other nutrients into the small intestines. Under physiological conditions, newly synthesized bile acids are conjugated to glycine or taurine to form bile salts, and not much free bile acid is actually found in bile. Determining circulatory levels of bile acids can be used to identify or identify certain liver diseases. In addition, elevated serum bile levels have been observed in intrahepatic cholestasis of pregnancy cases. Recently, bile acids have been recognized as integrators of metabolic processes as well as signaling molecules. The Chenodeoxycholic Acid ELISA Kit is a competitive enzyme immunoassay developed for rapid detection and quantitation of chenodeoxycholic acid in serum, feces, or other cell or tissue samples. The quantity of chenodeoxycholic acid in unknown samples is determined by comparing its absorbance with that of a known chenodeoxycholic acid standard curve. The kit has a detection sensitivity limit of 30 nM chenodeoxycholic acid. Each Chenodeoxycholic Acid ELISA Kit provides sufficient reagents to perform up to 96 assays, including standard curve and unknown samples. Principle of the Assay: The Chenodeoxycholic Acid ELISA kit is a competitive ELISA for the quantitative measurement of chenodeoxycholic acid. The unknown chenodeoxycholic acid samples or chenodeoxycholic acid standards are first added to a Chenodeoxycholic Acid Conjugate preadsorbed microplate. After a brief incubation, an anti-Chenodeoxycholic Acid monoclonal antibody is added, followed by an HRP conjugated secondary antibody. The chenodeoxycholic acid content in unknown samples is determined by comparison with predetermined chenodeoxycholic acid standard curve.
Product Categories/Family for Chenodeoxycholic Acid elisa kit	Metabolism Research; Lipoprotein Metabolism; Bile Acid Assays; Chenodeoxycholic Acid ELISA

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/elisa-kits/chenodeoxycholic-acid/44628>