

Mouse Tauroursodeoxycholic acid ELISA Kit

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CATALOG #
AAA247899

REACTIVITY
Mouse

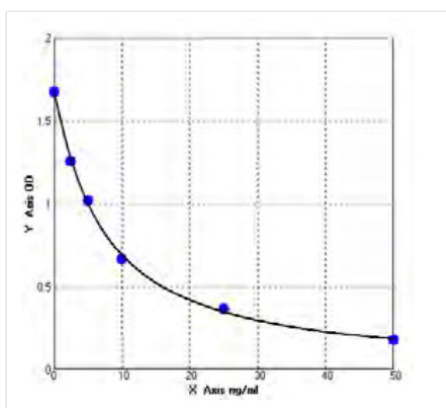
PRODUCT SYNONYMS

Tauroursodeoxycholic acid; Mouse Tauroursodeoxycholic acid ELISA Kit; Tauroursodeoxycholic acid elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of TUDCA. No significant cross-reactivity or interference between TUDCA and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between TUDCA and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Cross Reaction	No significant cross-reactivity or interference between this antigen and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection, therefore, cross reaction may still exist in some cases.
Reproducibility	Intra-Assay: CV<10% Inter-Assay: CV<15%
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Tauroursodeoxycholic acid elisa kit	Principle of the Assay: TUDCA ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-TUDCA antibody and an TUDCA-HRP conjugate. The assay sample and buffer are incubated together with TUDCA-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the TUDCA concentration since TUDCA from samples and TUDCA-HRP conjugate compete for the anti-TUDCA antibody binding site. Since the number of sites is limited, as more sites are occupied by TUDCA from the sample, fewer sites are left to bind TUDCA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TUDCA concentration in each sample is interpolated from this standard curve. Intended Uses: This TUDCA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse TUDCA. This ELISA kit for research use only, not for therapeutic or test applications!
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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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/mouse-elisa-kits/tauroursodeoxycholic-acid/247899>