

Human Na⁺ Taurocholate Cotransporting Polypeptide (NTCP) ELISA Kit | NTCP elisa kit

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CATALOG #
AAA129579

REACTIVITY
Human

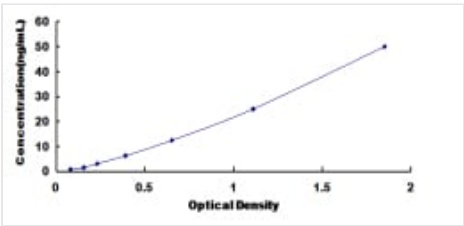
PRODUCT SYNONYMS

Na⁺ Taurocholate Cotransporting Polypeptide (NTCP); Human Na⁺ Taurocholate Cotransporting Polypeptide (NTCP) ELISA Kit; SLC10A1; NTCP1; Solute Carrier Family 10 Member 1; Sodium/Bile Acid Cotransporter Family; Cell growth-inhibiting gene 29 protein; Na(+)/bile acid cotransporter; NTCP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Na ⁺ Taurocholate Cotransporting Polypeptide (NTCP). No significant cross-reactivity or interference between Na ⁺ Taurocholate Cotransporting Polypeptide (NTCP) and analogues was observed.
Sequence Length	349
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.78-50ng/mL
Sensitivity	0.32ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Na ⁺ Taurocholate Cotransporting Polypeptide (NTCP) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Na ⁺ Taurocholate Cotransporting Polypeptide (NTCP) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 NTCP elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Na+ Taurocholate Cotransporting Polypeptide (NTCP). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Na+ Taurocholate Cotransporting Polypeptide (NTCP). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Na+ Taurocholate Cotransporting Polypeptide (NTCP), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Na+ Taurocholate Cotransporting Polypeptide (NTCP) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for NTCP elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	389885095
NCBI GeneID	6554
UniProt Accession #	Q14973; Q2TU29; B9EGB6
Molecular Weight	38,119 Da
NCBI Official Full Name	Na+-taurocholate cotransporting polypeptide
NCBI Official Synonym Full Names	solute carrier family 10 (sodium/bile acid cotransporter), member 1
NCBI Official Symbol	SLC10A1
NCBI Official Synonym Symbols	NTCP
NCBI Protein Information	sodium/bile acid cotransporter
UniProt Protein Name	Sodium/bile acid cotransporter
UniProt Gene Name	SLC10A1
UniProt Synonym Gene Names	NTCP
UniProt Entry Name	NTCP_HUMAN

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.