

Human Di-N-Acetyl Chitobiase (CTBS) ELISA Kit | CTBS elisa kit

Human Di-N-Acetyl Chitobiase (CTBS) ELISA Kit

CATALOG #
AAA187503

REACTIVITY
Human

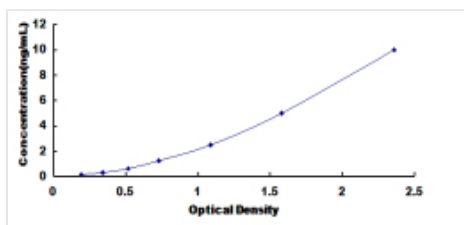
PRODUCT SYNONYMS

Di-N-Acetyl Chitobiase (CTBS); Human Di-N-Acetyl Chitobiase (CTBS) ELISA Kit; CTB; CTBS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Di-N-Acetyl Chitobiase (CTBS). No significant cross-reactivity or interference between Di-N-Acetyl Chitobiase (CTBS) and analogues was observed.
Sequence Length	377
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.071ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Di-N-Acetyl Chitobiase (CTBS) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Di-N-Acetyl Chitobiase (CTBS) 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 CTBS 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 Di-N-Acetyl Chitobiase (CTBS). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Di-N-Acetyl Chitobiase (CTBS). 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 Di-N-Acetyl Chitobiase (CTBS), 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 Di-N-Acetyl Chitobiase (CTBS) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	331028563
NCBI GeneID	524503
NCBI Accession #	NP_001193529.1
NCBI GenBank Nucleotide #	NM_001206600.1
Molecular Weight	19,761 Da
NCBI Official Full Name	di-N-acetylchitobiase
NCBI Official Synonym Full Names	chitobiase
NCBI Official Symbol	CTBS
NCBI Official Synonym Symbols	CTB
NCBI Protein Information	di-N-acetylchitobiase
UniProt Protein Name	Di-N-acetylchitobiase
UniProt Gene Name	CTBS
UniProt Synonym Gene Names	CTB

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.