

Mouse Cholesterol-25-Hydroxylase ELISA Kit | CH25H elisa kit

Mouse Cholesterol-25-Hydroxylase (CH25H) ELISA Kit

CATALOG #
AAA144542

REACTIVITY
Mouse

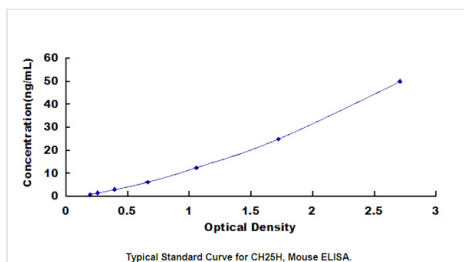
PRODUCT SYNONYMS

Cholesterol-25-Hydroxylase; Mouse Cholesterol-25-Hydroxylase (CH25H) ELISA Kit; h25OH; Cholesterol 25-monooxygenase; CH25H elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Cholesterol-25-Hydroxylase (CH25H). No significant cross-reactivity or interference between Cholesterol-25-Hydroxylase (CH25H) and analogues was observed.
Sequence Length	272
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates And Other Biological Fluids
Detection Range	0.78-50ng/mL
Sensitivity	0.29ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Cholesterol-25-Hydroxylase (CH25H) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Cholesterol-25-Hydroxylase (CH25H) 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 CH25H 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 Cholesterol-25-Hydroxylase (CH25H). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Cholesterol-25-Hydroxylase (CH25H). 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 Cholesterol-25-Hydroxylase (CH25H), 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 Cholesterol-25-Hydroxylase (CH25H) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for CH25H elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502499
NCBI GeneID	9023
NCBI Accession #	NP_003947.1
NCBI GenBank Nucleotide #	NM_003956.3
Molecular Weight	31,745 Da
NCBI Official Full Name	cholesterol 25-hydroxylase
NCBI Official Synonym Full Names	cholesterol 25-hydroxylase
NCBI Official Symbol	CH25H
NCBI Official Synonym Symbols	C25H
NCBI Protein Information	cholesterol 25-hydroxylase
UniProt Protein Name	Cholesterol 25-hydroxylase
UniProt Gene Name	CH25H
UniProt Synonym Gene Names	h25OH
UniProt Entry Name	CH25H_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.

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Online datasheet: <https://stage.aaabiotech.com/ch25h-mouse-elisa-kits/cholesterol-25-hydroxylase/144542>