

Human Butyrylcholinesterase (BCHE) ELISA Kit | BCHE elisa kit

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CATALOG #
AAA138170

REACTIVITY
Human

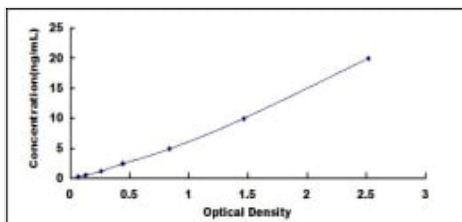
PRODUCT SYNONYMS

Butyrylcholinesterase (BCHE); Human Butyrylcholinesterase (BCHE) ELISA Kit; BuChE; CHE1; E1; Pseudocholinesterase; Cholinesterase; Acylcholine acylhydrolase; Butyrylcholine esterase; Choline esterase II; BCHE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Butyrylcholinesterase (BCHE). No significant cross-reactivity or interference between Butyrylcholinesterase (BCHE) and analogues was observed.
Sequence Length	602
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.115ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Butyrylcholinesterase (BCHE) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Butyrylcholinesterase (BCHE) 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 BCHE 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 Butyrylcholinesterase (BCHE). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Butyrylcholinesterase (BCHE). 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 Butyrylcholinesterase (BCHE), 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 Butyrylcholinesterase (BCHE) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for BCHE elisa kit	Enzyme & Kinase; Metabolic pathway; Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	1311630
NCBI GeneID	590
UniProt Accession #	P06276; A8K7P8
Molecular Weight	68,418 Da
NCBI Official Full Name	butyrylcholinesterase
NCBI Official Synonym Full Names	butyrylcholinesterase
NCBI Official Symbol	BCHE
NCBI Official Synonym Symbols	E1; CHE1; CHE2
NCBI Protein Information	cholinesterase
UniProt Protein Name	Cholinesterase
UniProt Gene Name	BCHE
UniProt Synonym Gene Names	CHE1
UniProt Entry Name	CHLE_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/human-elisa-kits/butyrylcholinesterase-bche/138170>