

Human BCHE ELISA Kit | BCHE elisa kit

Human BCHE PicoKine ELISA Kit

CATALOG #
AAA46775

REACTIVITY
Human

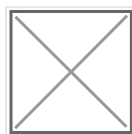
PRODUCT SYNONYMS

BCHE; Human BCHE PicoKine ELISA Kit; Acylcholine acylhydrolase; Butyrylcholine esterase; CHE1; CHE2; Choline esterase II; Cholinesterase (serum) 2; Cholinesterase 1; Cholinesterase; E1; Pseudocholinesterase; P06276; butyrylcholinesterase; BCHE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human BCHE
Sequence Length	602
Samples	Cell culture supernates, tissue homogenates, serum, plasma (heparin, EDTA), saliva, urine and human milk
Assay Type	Quantitative Sandwich
Detection Range	312pg/ml-20000pg/ml
Sensitivity	<10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

Human BCHE PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for BCHE elisa kit	Principle of the Assay: The Human BCHE ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for BCHE has been precoated onto 96-well plates. Standards(Expression system for standard: NSO, Immunogen sequence: E29-L602) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for BCHE is added subsequently and then followed by washing with PBS or TBS buffer. Avidin- Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human BCHE amount of sample captured in plate. Background: Butyrylcholinesterase is a nonspecific cholinesterase enzyme that in humans is encoded by the BCHE gene. This gene is mapped to 3q26. It is a member of the type-B carboxylesterase/lipase family of proteins. The encoded enzyme exhibits broad substrate specificity and is involved in the detoxification of poisons including organophosphate nerve agents and pesticides, and the metabolism of drugs including cocaine, heroin and aspirin. Humans homozygous for certain mutations in this gene exhibit prolonged apnea after administration of the muscle relaxant succinylcholine.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557351
NCBI GeneID	590
NCBI Accession #	NP_000046.1
NCBI GenBank Nucleotide #	NM_000055.3
UniProt Accession #	P06276; A8K7P8
Molecular Weight	68,418 Da
NCBI Official Full Name	cholinesterase
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

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://stage.aaabiotech.com/human-elisa-kits/bche/46775>