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Datasheet for ABIN5510678

## Butyrylcholinesterase ELISA Kit

### 1 Image

#### Overview

Quantity: 96 tests

Target: Butyrylcholinesterase (BCHE)

Binding Specificity: AA 29-602

Reactivity: Human

Method Type: Sandwich ELISA

Application: ELISA

#### Product Details

Purpose: Sandwich High Sensitivity ELISA kit for Quantitative Detection of Human BCHE

Brand: PicoKine™

Analytical Method: Quantitative

Detection Method: Colorimetric

Specificity: Expression system for standard: NSO, Immunogen sequence: E29-L602

Cross-Reactivity (Details): There is no detectable cross-reactivity with other relevant proteins.

Characteristics: Tissue Specificity: Detected in blood plasma (at protein level). Present in most cells except erythrocytes. .

#### Target Details

Target: Butyrylcholinesterase (BCHE)

Alternative Name: BCHE ([BCHE Products](#))

## Target Details

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Background: Protein Function: Esterase with broad substrate specificity. Contributes to the inactivation of the neurotransmitter acetylcholine. Can degrade neurotoxic organophosphate esters. .

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.

Synonyms: Cholinesterase,3.1.1.8,Acylcholine acylhydrolase,Butyrylcholine esterase,Choline esterase II,Pseudocholinesterase,BCHE,CHE1,

Full Gene Name: Cholinesterase

Cellular Localisation: Secreted.

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UniProt: [P06276](#)

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Pathways: [Peptide Hormone Metabolism](#)

## Application Details

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Plate: Pre-coated

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Restrictions: For Research Use only

## Handling

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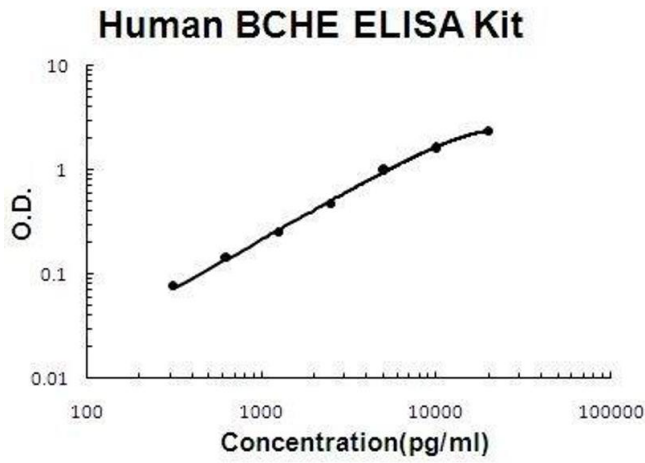
Storage: 4 °C,-20 °C

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Storage Comment: Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles(Shipped with wet ice.)

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Expiry Date: 12 months



#### ELISA

**Image 1.** Human BCHE PicoKine ELISA Kit standard curve