

Human BCHE ELISA Kit

Catalog No: #EK5709

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Description

Product Name	Human BCHE ELISA Kit
Specificity	Human
Crossing Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Immunogen Type	NSO,E29-L602
Other Names	Cholinesterase; 3.1.1.8; Acylcholine acylhydrolase; Butyrylcholine esterase; Choline esterase II; Pseudocholinesterase; BCHE; CHE1;
Accession No.	P06276
Uniprot	P06276
GeneID	590;
Cell Localization	Secreted.

Application Details

sensitivity:10pg mlDetect Range:312pg ml-20000pg ml
sample_type:cell culture supernates tissue homogenates serum plasma (heparin EDTA) saliva
urine and human milk.capture_antibody:monoclonal antibody from mouse
detection_antibody:polyclonal antibody from goat
gene_name:BCHEprotein_name:Cholinesterasegene_full_name:Cholinesterasetissue_specificity: Detected in blood plasma (at protein level).Present in most cells except erythrocytes..
sequence_similarities:tmb_incubation:25-30minresearch_category:

Product Description

Sandwich High Sensitivity ELISA kit for Quantitative Detection of Human BCHE

Background

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

Note: This product is for in vitro research use only