

Human Acetylcholinesterase ELISA Kit | ACHE elisa kit

Human Acetylcholinesterase (ACHE) ELISA Kit

CATALOG #
AAA55699

REACTIVITY
Human

PRODUCT SYNONYMS

Acetylcholinesterase; Human Acetylcholinesterase (ACHE) ELISA Kit; ACHE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human ACHE. No significant cross-reactivity or interference between Human ACHE and analogues was observed.
Sequence Length	72
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	62.5 uIU/mL - 4000 uIU/mL
Sensitivity	31.25 uIU/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for ACHE elisa kit

Intended Uses: For the quantitative detection of Human Acetylcholinesterase (ACHE) concentration in serum, plasma and other biological fluids.

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate ACHE in Human serum, plasma. An antibody specific for ACHE has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ACHE present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ACHE is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ACHE bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557239
NCBI GeneID	43
NCBI Accession #	NP_000656.1
NCBI GenBank Nucleotide #	NM_000665.4
UniProt Accession #	P22303; Q16169; Q29S23; Q2M324; Q504V3; Q53F46; Q86TM9; Q86YX9; Q9BXP7; A4D2E2; B7ZKZ0; D6W5X7

Molecular Weight	58,352 Da
NCBI Official Full Name	acetylcholinesterase isoform E4-E6
NCBI Official Synonym Full Names	acetylcholinesterase (Cartwright blood group)
NCBI Official Symbol	ACHE
NCBI Official Synonym Symbols	YT; ACEE; ARACHE; N-ACHE
NCBI Protein Information	acetylcholinesterase
UniProt Protein Name	Acetylcholinesterase
UniProt Gene Name	ACHE
UniProt Synonym Gene Names	AChE

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://www.aaabiotech.com/ache-human-elisa-kits/acetylcholinesterase/55699>