

Mouse Acetylcholinesterase ELISA Kit | COLQ elisa kit

Mouse Acetylcholinesterase collagenic tail peptide (COLQ) ELISA Kit

CATALOG #
AAA55888

REACTIVITY
Mouse

PRODUCT SYNONYMS

Acetylcholinesterase; Mouse Acetylcholinesterase collagenic tail peptide (COLQ) ELISA Kit; EAD; Single Strand Of Homotrimeric Collagen Like Tail Subunit Of Asymmetric Acetylcholinesterase; AChE Q Subunit; Acetylcholinesterase-Associated Collagen; COLQ elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mouse COLQ. No significant cross-reactivity or interference between Mouse COLQ and analogues was observed.
Sequence Length	72
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	15.6 pg/mL - 1000 pg/mL
Sensitivity	7.8 pg/mL (mean of 6 independent assays)
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 COLQ elisa kit

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate COLQ in Mouse serum, plasma, tissue homogenates. An antibody specific for COLQ has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any COLQ present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for COLQ 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 COLQ bound in the initial step. The color development is stopped and the intensity of the color is measured.

Intended Uses: For the quantitative detection of Mouse Acetylcholinesterase collagenic tail peptide (COLQ) concentration in serum, plasma, tissue homogenates and other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	164519041
NCBI GeneID	382864
NCBI Accession #	NP_034067.2
NCBI GenBank Nucleotide #	NM_009937.2

UniProt Accession #	O35348; Q08EK8
Molecular Weight	47,684 Da
NCBI Official Full Name	acetylcholinesterase collagenic tail peptide
NCBI Official Synonym Full Names	collagen-like tail subunit (single strand of homotrimer) of asymmetric acetylcholinesterase
NCBI Official Symbol	Colq
NCBI Official Synonym Symbols	A130034K24Rik
NCBI Protein Information	acetylcholinesterase collagenic tail peptide
UniProt Protein Name	Acetylcholinesterase collagenic tail peptide
UniProt Gene Name	Colq

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://www.aaabiotech.com/colq-mouse-elisa-kits/acetylcholinesterase/55888>