

Choline/Acetylcholine Assay Kit

Choline/Acetylcholine Fluorometric Assay Kit

CATALOG #
AAA178636

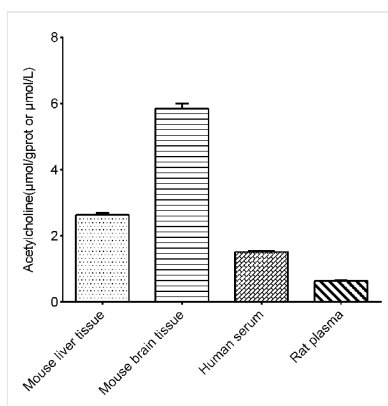
PRODUCT SYNONYMS

Choline/Acetylcholine; Choline/Acetylcholine Fluorometric Assay Kit; Choline/Acetylcholine assay kit

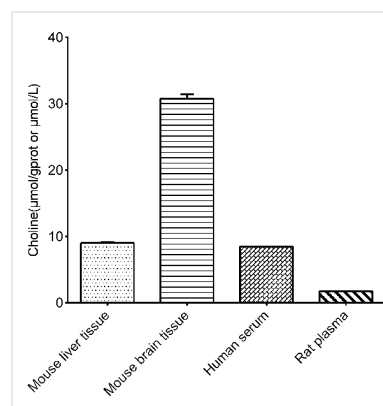
PRODUCT SPECIFICATIONS

Assay Type	Quantitative
Samples	serum, plasma and animal tissue
Detection Range	0.06-10 $\mu\text{mol/L}$
Sensitivity	0.06 $\mu\text{mol/L}$
Detection Method	Fluorescence method
Detection Instrument	Fluorescence Microplate reader
Assay Time	30 min
Research Area	Glycolysis and Lipid Metabolism
Test Principle	Choline and acetylcholine play important roles in many biological processes. Choline is an essential nutrient, often grouped with B complex vitamins, that plays a key role in many biological processes. Choline is a precursor to the synthesis of acetylcholine (AChE), an important neurotransmitter in the peripheral and central nervous systems. Choline is measured by enzyme coupling reaction to generate fluorescent products in this kit, and the content of fluorescent substances is proportional to the presence of choline. Acetylcholinesterase was added to the reaction to hydrolyze acetylcholine into choline and acetic acid, and the acetylcholine content was further calculated by measuring the total amount of choline and acetylcholine.
Precision	Inter Assay CV: 8.2-10% Intra Assay CV: 3.2-5%
Preparation and Storage	This product can be stored at -20 degree C for 12 months with shading light. Ship: Ice bag

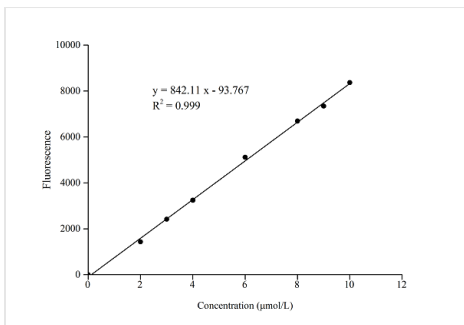
IMAGES



Application Data



Application Data



Standard Curve (Sample)

ADDITIONAL INFORMATION

Product Categories/Family for
Choline/Acetylcholine assay kit

Metabolism Assay; Cell Metabolism Assays; Glycolysis and Lipid Metabolism

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://stage.aaabiotech.com/assay-kits/choline-acetylcholine/178636>