CREATIVE BIOMART®
Assay Kit

Carboxylesterase Activity Assay Kit

Product Information

ShortName

Carboxylesterase Activity Assay Kit

Size

100T/96S

Product Overview

Mammalian CarE also known as aliphatic esterase (aliesterase) is widely distributed in tissue and organism, belonging to the serine hydrolase family. CarE catalyze hydrolysis of endogenous and exogenous substances containing ester bonds, amide bonds, and thioester bonds, but can't catalyze
hydrolysis of acetylcholine and its analogues. CarE take part in lipid transport and metabolism, and related
with detoxification and metabolism of many drugs, environmental poisons and carcinogens. Organophosphorus pesticides can bind to CarE and inhibit CarE activity.
CarE can catalyze acetic acid-1-naphthalene ester to produce naphthalene ester, solid blue color development. Determination of 450 nm light absorption increase rate could calculate CarE activity.

Storage

After receiving the product, store it at the required temperature

Shipping

On ice

Kit Components

Extract solution: 100 mL×1, store at 4°C.
Reagent I: Powder×1, store at 4°C.
Reagent II: Powder×1, store at -20°C.
Reagent III: 30 mL×1, store at 4°C.

Materials Required but Not Supplied

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45-1 Ramsey Road, Shirley, NY 11967, USA

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Spectrophotometer/Microplate reader, micro glass cuvette/96 well flat-bottom plate, low temperature
centrifuge, water-bath, adjustable pipette and distilled water.

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