

General Carboxylesterase Assay Kit

Carboxylesterase Microplate Assay Kit

CATALOG # AAA264788	REACTIVITY General	APPLICATIONS Functional Assay
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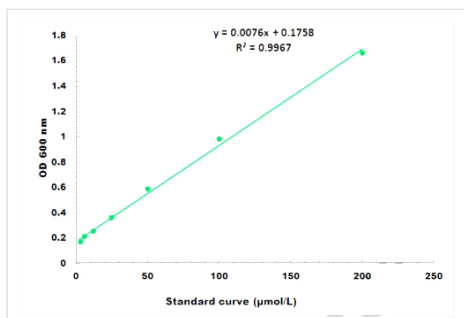
PRODUCT SYNONYMS

Carboxylesterase; Carboxylesterase Microplate Assay Kit; Carboxylesterase assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Samples	Serum, Plasma, Tissue extracts, Cell lysate, Cell culture media, Other biological fluids Samples
Detection Range	2 umol/L - 200 umol/L
Applicable Applications for Carboxylesterase assay kit	FA (Functional Assay)
Preparation and Storage	Shipped and store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Carboxylesterase assay kit

Background: A carboxylesterase or carboxylic-ester hydrolase is an enzyme that catalyzes a chemical reaction of the form a carboxylic ester + H₂O → an alcohol + a carboxylate. Thus, the two substrates of this enzyme are carboxylic ester and H₂O, whereas its two products are alcohol and carboxylate. Most enzymes from this group are serine hydrolases belonging to the superfamily of proteins with alpha/beta hydrolase fold. Carboxylesterases have a wide tissue distribution and are found in the greatest amounts in the liver and in the gastrointestinal tract, brain, and possibly blood. Carboxylesterases belongs to the class of serine hydrolases that include acetylcholinesterase, which is primarily found in the blood and neural synapses. Carboxylesterase Microplate Assay Kit is based on hydrolysis of substrate to alpha-Naphthol. The intensity of the product color, measured at 600 nm, is proportional to the Carboxylesterase activity in the sample.

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.