CREATIVE BIOMART®
Assay Kit

Lipase Activity Fluorometric Assay Kit III

Product Information

Cat

Kit-2217

Cat.No. Kit-2217

Product Overview

Lipase is a subclass of the esterases that catalyze the hydrolysis of ester bonds of lipid substrates. Lipases perform essential roles in the digestion, transport and processing of dietary lipids (e.g. triglycerides, fats, oils) in most, if not all, living organisms. In humans, pancreatic lipase is the key enzyme responsible for breaking down fats in the digestive system by converting triglycerides to monoglycerides and free fatty acids. During the damage of the pancreas, lipase levels can rise 5 to 10-fold within 24 to 48 hours. In Lipase Assay Kit III, Lipase hydrolyzes a specific substrate to generate the methylresorufin, which can be detected fluorometrically at Em/Ex=529/600 nm. The kit provides a rapid, simple, more sensitive, and reliable test suitable for high throughput assay of Lipase activity. This kit can be used to detect Lipase as low as 0.1 microU/well.

Applications

A sensitive and high speed homogeneous assay for detection of Lipase enzyme activity in a high-throughput screening (HTS) format.

Storage

-20°C

Shipping

Gel Pack

Size

100 assays

Kit Components

Lipase Assay Buffer; Lipase Substrate; Methylresorufin Standard (0.1 mM); Lipase Positive Control

Target Species

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CREATIVE BIOMART®
Assay Kit

Lipase Activity Fluorometric Assay Kit III

Mammalian

Detection method Fluorescence(Ex/Em 529/600 nm)

Features & Benefits

Simple procedure; takes ~ 60 minutes;
Fast and convenient;
Sensitive assays for measuring Lipase activity as low as 0.1 mU/well.

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