HDL Uptake Fluorometric Assay Kit

Cat. No. Kit-0435 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HDL Uptake Assay Kit (Fluorometric) is used to measure High-density lipoprotein uptake.
Description	High-density lipoprotein (HDL) consists of a protein shell, containing apolipoproteins A-I and A-II, and a hydrophobic core consisting of cholesterol and triglycerides surrounded by phospholipids and cholesterol esters. HDL transports cholesterol to the liver or steroidogenic organs such as adrenals, ovary, and testes by both direct and indirect pathways. HDL-Cholesterol is removed by HDL receptors such as scavenger receptor BI (SR-BI), which mediate the selective uptake of cholesterol from HDL. Clinically, high levels of HDL has been associated with cardiovascular health. This is due to the ability of HDL particle to transport cholesterol from lipid-laden macrophages of atherosclerotic arteries to the liver for secretion into the bile by a process called as reverse cholesterol transport. The HDL Uptake Assay Kit (Fluorometric) contains a fluorescently-labeled HDL that can be measured when taken up by cells. Unlabeled-HDL is included in the kit for assay validation.
Applications	Measure HDL uptake in mammalian cellsScreen, study or characterize stimulators or inhibitors of HDL uptake
Target Species	Mammals
Usage	For research use only (RUO)
Storage	Store kit at -20°C, protected from light.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Kit Components	Assay Buffer 100 mLFluorescently-labeled HDL (5 mg/mL) 1 mLUnlabeled HDL (2X) 0.1 mL
Detection method	Fluorometric
Compatible Sample Types	Mammalian cells

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