Cholesterol Efflux Assay Kit (Cell-based) ab196985

Overview

Product name: Cholesterol Efflux Assay Kit (Cell-based)
Detection method: Fluorescent
Sample type: Adherent cells, Purified protein
Assay type: Cell-based (quantitative)
Species reactivity: Reacts with: Mammals, Other species

Product overview

Cholesterol Efflux Assay Kit ab196985 is a high-throughput, cell-based screening assay for measuring cholesterol efflux. The cholesterol efflux assay protocol uses fluorescently-labeled cholesterol (Ex/Em 482/515 nm). It provides a safe, sensitive and reproducible method for measuring cholesterol efflux.

This cholesterol efflux assay can be used to:
- screen small molecules for their effect on cholesterol efflux as a part of drug discovery program.

Cholesterol efflux assay protocol summary:
- label cells with labeling and equilibration mix overnight
- wash cells, treat as required and incubate
- transfer cell supernatant to microplate, and separately solubilize cells with cell lysis buffer
- analyze supernatant and cell lysates with microplate reader

Notes

Cholesterol efflux from the peripheral tissues and cells in atherosclerotic plaque is an initial and critical step in Reverse Cholesterol Transport (RCT). RCT is the process by which extra hepatic cells, including macrophage-derived foam cells in arterial atherosclerotic plaque, transport excessive cholesterol back to the liver for bile acid synthesis and excretion, thus lowering the peripheral lipid burden.

Other cholesterol assay kits include:
- HDL and LDL/VLDL Cholesterol assay kit ab65390
- Cell-based Cholesterol assay kit ab133116
- Cholesterol/Cholesterol Ester assay kit ab65359
- Cholesterol Uptake assay kit ab236212

Platform

Microplate reader

Storage instructions

Store at -20°C. Please refer to protocols.
J774.1 cells were labeled with the Labeling Media and treated with various cholesterol acceptors like Human Serum, HDL (50 µg) or Positive control known to cause cholesterol efflux. Cholesterol efflux is expressed as % efflux elicited by cells in 4 hours.

### Components

<table>
<thead>
<tr>
<th>Components</th>
<th>100 tests</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cell Lysis Buffer</td>
<td>1 x 20ml</td>
</tr>
<tr>
<td>Equilibration Buffer</td>
<td>1 x 5ml</td>
</tr>
<tr>
<td>Labeling Reagent</td>
<td>1 x 5ml</td>
</tr>
<tr>
<td>Positive Control</td>
<td>1 x 1ml</td>
</tr>
<tr>
<td>Reagent A</td>
<td>1 x 10µl</td>
</tr>
<tr>
<td>Reagent B</td>
<td>1 x 10µl</td>
</tr>
<tr>
<td>Serum Treatment Reagent</td>
<td>1 x 1ml</td>
</tr>
</tbody>
</table>

### Images

J774.1 cells were labeled with the Labeling Media and treated with various cholesterol acceptors like Human Serum, HDL (50 µg) or Positive control known to cause cholesterol efflux. Cholesterol efflux is expressed as % efflux elicited by cells in 4 hours.

### Please note:
All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

### Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit [https://www.abcam.com/abpromise](https://www.abcam.com/abpromise) or contact our technical team.

### Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors