Overview

Product name: Nile Red Staining Kit
Detection method: Fluorescent
Sample type: Adherent cells, Suspension cells
Product overview: Nile Red Staining Kit ab228553 is designed for the quantitative, fluorometric detection and measurement of intracellular lipid droplets using fluorescence microscopy, flow cytometry or a fluorescence microplate reader.

In the assay, Nile Red dye is added to the cell samples and the dye selectively stains lipid droplets within the cells. The dye is minimally fluorescent in solution in water so it is not necessary to wash the cells or remove the dye before analysis.

Excitation / emission: 550 / 640 nm.

Notes: Lipid droplets are also referred to as lipid bodies, oil bodies, and adiposomes.


Properties

Storage instructions: Store at -20°C. Please refer to protocols.

<table>
<thead>
<tr>
<th>Components</th>
<th>200 tests</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nile Red</td>
<td>1 x 40µl</td>
</tr>
<tr>
<td>Staining Buffer</td>
<td>1 x 20ml</td>
</tr>
</tbody>
</table>

Images
Fluorescence images of intracellular lipid droplets in 3T3-L1 fibroblasts (left panel) and 3T3-L1 adipocyte cells (right panel) using ab228553 Nile Red Staining Kit. The fluorescence signal was measured using a fluorescence microscope with a TRITC filter.

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

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