

Product Datasheet

Cholesterol Cell-Based Detection Assay Kit (Fluorometric) KA1304

Unit Size: 1 Kit

Storage of components varies. See protocol for specific instructions.

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KA1304**Cholesterol Cell-Based Detection Assay Kit (Fluorometric)****Product Information**

Unit Size	1 Kit
Concentration	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
Storage	Storage of components varies. See protocol for specific instructions.

Product Description

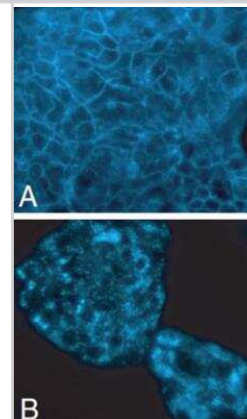
Description	Cholesterol Cell-Based Detection Assay Kit is a fluorescence-labeled method for histochemical identification of unesterified cholesterol <i>in vivo</i> and <i>in vitro</i> .
Species	Human
Kit Components	Cell-Based Assay Fixative, Cell-Based Assay Wash Buffer, Cholesterol Detection Filipin III, Cholesterol Detection Assay Buffer 1, Cell-Based Assay U-18666A
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Assay Type	Fluorometric
Suitable Sample Type	Cultured Cells
Sample Volume	3 x 10 ⁴ cells per well

Product Application Details

Applications	Functional, Immunocytochemistry/ Immunofluorescence, Quantification
Recommended Dilutions	Immunocytochemistry/ Immunofluorescence, Functional, Quantification

Images

Immunocytochemistry/Immunofluorescence: Cholesterol Cell-Based Detection Assay Kit (Fluorometric) [KA1304] - ccumulation of cholesterol inside HepG2 cells in response to 1.25 uM U18666A. HepG2 cells were seeded in a 96-well plate at a density of 3 X 10⁴ cells/well and cultured overnight. The next day, cells were treated with DMSO (vehicle) or 1.25 uM U18666A for 48 hours. Panel A : Cells treated with DMSO alone demonstrate that majority of cholesterol is localized on the plasma membrane. Panel B : U18666A treatment for 48 hours induces intracellular accumulation of cholesterol droplets, indicating blockage of intracellular cholesterol transport.

**Publications**

Alexandre B, Lais C, Karina B et al. Identification and characterization of the anti-SARS-CoV-2 activity of cationic amphiphilic steroidal compounds. Virulence. 2022-06-22 [PMID: 35734825]

Cadenas C, Vosbeck S, Hein EM et al. Glycerophospholipid profile in oncogene-induced senescence. Biochim Biophys Acta. 2011-12-10 [PMID: 22178194]



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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Kits are guaranteed for 6 months from date of receipt.

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