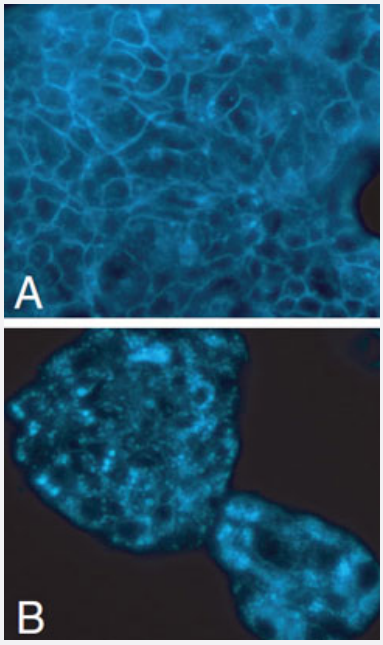
Cholesterol Cell-Based Detection Assay Kit

Catalog # KA1304 Size 1 Kit

Applications



Immunofluorescence

Accumulation 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 10^4 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.

Specification

Product Description	Cholesterol Cell-Based Detection Assay Kit is a fluorescence-labeled method for histochemical identification of unesterified cholesterol *in vivo* and *in vitro*.
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at -20°C temporarily. For best results, store the components as described in the protocol.

Applications

- Functional Study

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- Immunofluorescence

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Panel B : U18666A treatment for 48 hours induces intracellular accumulation of cholesterol droplets, indicating blockage of intracellular cholesterol transport.

Publication Reference

- Identification and characterization of the anti-SARS-CoV-2 activity of cationic amphiphilic steroidal compounds.

Alexandre Borin, Laís D Coimbra, Karina Bispo-Dos-Santos, Fabrício F Naciuk, Marina Fontoura, Camila L Simeoni, Giovanni V Gomes, Mariene R Amorim, Humberto D Gravina, Jacqueline Farinha Shimizu, Amanda S C Passos, Isadora M de Oliveira, Ana Carolina de Carvalho, Alisson Campos Cardoso, Pierina L Parise, Daniel A Toledo-Teixeira, Giuliana E Sotorilli, Gabriela F Persinoti, Ingra Morales Claro, Ester C Sabino, Marcos R Alborghetti, Silvana A Rocco, Kleber G Franchini, William M de Souza, Paulo S

Virulence 2022 Jun; 13(1):1031.

Application : IS, African Green Monkey, Vero CCL81 cells

- Glycerophospholipid profile in oncogene-induced senescence.

Cadenas C, Vosbeck S, Hein EM, Hellwig B, Langer A, Hayen H, Franckenstein D, Buttner B, Hammad S, Marchan R, Hermes M, Selinski S, Rahnenfuhrer J, Peksel B, Torok Z, Vigh L, Hengstler JG.

Biochimica et Biophysica Acta 2011 Dec; 1821(9):1256.

Application : Quant, Human, MCF-7 cells

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