Cellular Senescence Activity Assay Kit

Catalog # KA6035 Size 1 Kit

Applications

Cellular senescence was measured with the Cellular Senescence Activity Assay Kit using a (A) NovoCyte Flow Cytometer (ACEA Biosciences) and (B) fluorescence microscope.

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(A) HL-60 cells were incubated with Camptothecin for 6 hours to induce senescence and stained with Xite beta-D-galactopyranoside for 30 mins at 37°C. The signal was acquired using FITC channel in ACEA NovoCyte flow cytometer.
(B) HeLa cells were incubated with Camptothecin for 6 hours to induce senescence and stained with Xite beta-D-galactopyranoside for 30 mins at 37°C. The signal was acquired using FITC filter set.

Specification

Product Description	Cellular Senescence Activity Assay Kit uses Xite beta-D-galactopyranoside, a fluorogenic beta-Gal substrate that readily enters into live cells, and gets cleaved by SA-beta-gal inside cells, generating s trong green fluorescence. Unlike cell-impermeable X-Gal substrate, it has excellent cell permeability. The Cellular Senescence Activity Assay Kit enables users to detect the senescence with higher sens itivity with robust performance.
Suitable Sample	Cells.
Detection Method	Fluorimetric

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Platform	Instrument: Flow cytometer Excitation: 488 nm laser Emission: 530/30 nm filter Instrument specification(s): FITC channel Instrument: Fluorescence microscope Excitation: FITC filter set Emission: FITC filter set Recommended plate: Black wall/clear bottom
Regulatory Status	For research use only (RUO)
Storage Instruction	Store the kit at -20°C and avoid from light.
Note	Cellular senescence was measured with the Cellular Senescence Activity Assay Kit using a (A) Novo Cyte Flow Cytometer (ACEA Biosciences) and (B) fluorescence microscope. Cellular senescence was measured with the Cellular Senescence Activity Assay Kit using a (A) Novo Cyte Flow Cytometer (ACEA Biosciences) and (B) fluorescence microscope. (A) HL-60 cells were incubated with Camptothecin for 6 hours to induce senescence and stained wit h Xite beta-D-galactopyranoside for 30 mins at 37°C. The signal was acquired using FITC channel in ACEA NovoCyte flow cytometer. (B) HeLa cells were incubated with Camptothecin for 6 hours to induce senescence and stained with Xite beta-D-galactopyranoside for 30 mins at 37°C. The signal was acquired using FITC filter set.

Applications

- Functional Study
- Flow Cytometry

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