CREATIVE BIOMART®
Assay Kit

Senescence Detection Kit

Product Information

Cat.No. Kit-0781

Product Overview

Senescence Detection Kit is used for detecting SA-beta-Gal activity in cultured cells and tissue sections, a known characteristic of senescent cells.

Description

Senescence is thought to be a tumor suppressive mechanism and an underlying cause of aging. Senescence represents an arrested state in which the cells remain viable, but not stimulated to divide by serum or passage in culture. Senescent cells display increase of cell size, senescence-associated expression of β-galactosidase (SA-β-Gal) activity, and altered patterns of gene expression. The Senescence Detection Kit is designed to histochemically detect SA-β-Gal activity in cultured cells and tissue sections, a known characteristic of senescent cells. The SA-β-Gal is present only in senescent cells and is not found in presenescent, quiescent or immortal cells.

Target Species

Mammals

Usage

For research use only (RUO)

Storage

Store kit at 4°C or -20°C, protected from light. Store reconstituted X-gal in -20°C. All components supplied are stable for 1 year.

Kit Components

Fixative Solution (1X) 125 mLX-Gal (150 mg, lyophilized) 1 vialStaining Solution (1X) 125 mLStaining Supplement (100X) 1.5 mL

Compatible Sample Types

Cell, Tissue

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