

Product datasheet

Nuclear Green DCS1 ab138905

[6 References](#) [2 Images](#)

Overview

Product name	Nuclear Green DCS1
Tested applications	Suitable for: ICC/IF, Flow Cyt
General notes	<p>Nuclear Green DCS1 is a fluorogenic, DNA-selective and cell impermeant green fluorescent dye for analyzing DNA content in dead cells. The Nuclear Green DCS1 has its fluorescence significantly enhanced upon binding to double-stranded DNA. It can be used in fluorescence imaging, microplate and flow cytometry applications. This DNA-binding dye might be used for multicolor analysis of dead cells.</p> <p>SPECTRAL PROPERTIES:</p> <p>Excitation: $E_{x_{max}}$ 503 nm</p> <p>Emission: $E_{m_{max}}$ 526 nm</p> <p>Provided at 5mM. Recommended use at 2 - 10 μM.</p>

Properties

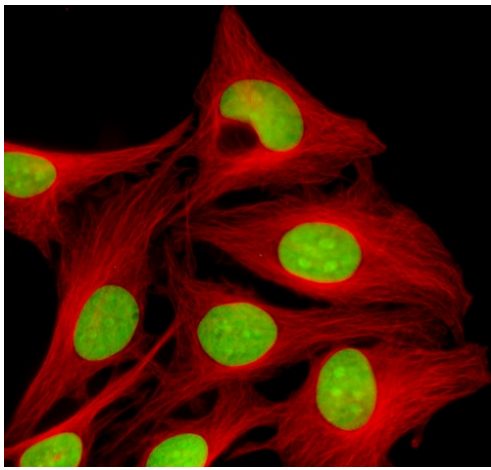
Form	Liquid
Storage instructions	Store at -20°C. Store In the Dark.
Storage buffer	Constituent: 99% Dimethylsulfoxide

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab138905 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

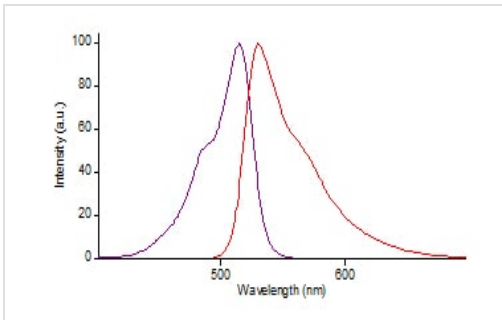
Application	Abreviews	Notes
ICC/IF		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration.

Images



Immunocytochemistry/ Immunofluorescence -
Nuclear Green DCS1 (ab138905)

ICC/IF image of **ab7291** stained HeLa cells. The cells were 100% methanol fixed and then incubated in 1% BSA / 10% normal donkey serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilize the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (**ab7291**, 5µg/ml) overnight at +4°C. The secondary antibody (red) was **ab150115** Alexa Fluor® 647 goat anti-mouse IgG (H+L) used at 2µg/ml for 1h. Nuclear Green DCS1 (ab138905) was used to stain the cell nuclei (green) at a 1/1500 dilution with a 60 minute incubation.



Excitation and emission spectra for ab138905 Nuclear Green DCS1 bound to DNA in PBS (pH 7.4).

Functional Studies - Nuclear Green DCS1
(ab138905)

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