

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: Ex_{max} 503 nm</p> <p>Emission: Em_{max} 526 nm</p> <p>Provided at 5mM. Recommended use at 2 - 10 uM.</p>

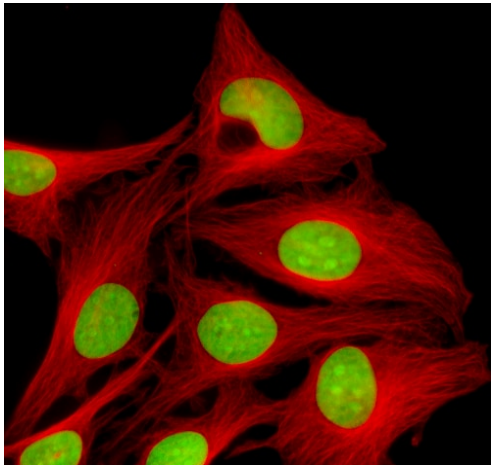
Properties

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

Applications

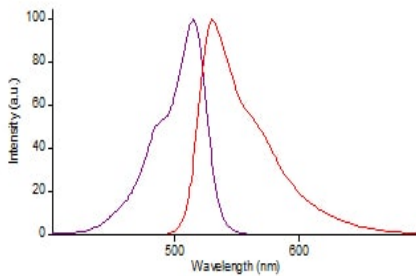
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab138905 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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



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)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors