

DRAQ7™ ab109202

★★★★★ [1 Abreviews](#) [29 References](#) [画像数 3](#)

製品の概要

製品名	DRAQ7™
アプリケーション	適用あり: FM, Flow Cyt, ICC/IF
特記事項	<p>DRAQ7™ is a far-red fluorescent dye that <i>only</i> stains the nuclei in dead and permeabilized cells and can be used in combination with common labels such as GFP or FITC.</p> <p>DRAQ7 is the ideal tool to study dead or membrane-compromised cells because it does not enter intact, live cells. It is an ideal replacement for propidium iodide and 7-AAD, as is not excited by UV light and has no emission overlap with PE / PE homologues.</p> <p>Key features of DRAQ7 include:</p> <ul style="list-style-type: none"> Rapid staining of dsDNA/ nuclei of dead or permeabilized cells Low photobleaching It can be used in most cell types, eukaryotic and prokaryotic: mammalian, bacterial, parasitic, plant, etc ... Non-toxic in long-term culture Can be combined with "live" dyes No compensation needed with common FITC/GFP + PE combinations in flow cytometry No wash or RNase treatment needed. <p>SPECTRAL PROPERTIES</p> <p>Excitation:</p> <ul style="list-style-type: none"> 633 and 647 nm line optimal (Ex_{max} 599 / 644 nm) 488, 514 and 568 nm lines, sub-optimal (only by flow cytometry) <p>Emission (instrument dependent):</p> <ul style="list-style-type: none"> 665 nm to infra-red max 678 nm / 697 nm intercalated with dsDNA) Minimal overlap with vis range e.g. GFP and FITC Em. filters may include 695L, 715LP or 780 LP <p>Multi-wavelength imaging with UV / vis fluorochromes</p> <ul style="list-style-type: none"> No fluorescence enhancement upon DNA binding Low photo-bleaching effect Compatible with optics of flow, laser scanning cytometers and confocal and lamp-based fluorescence microscopes

製品の特性

製品の状態	Liquid
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保存方法

Store at +4°C. Do Not Freeze. Store In the Dark.

アプリケーション

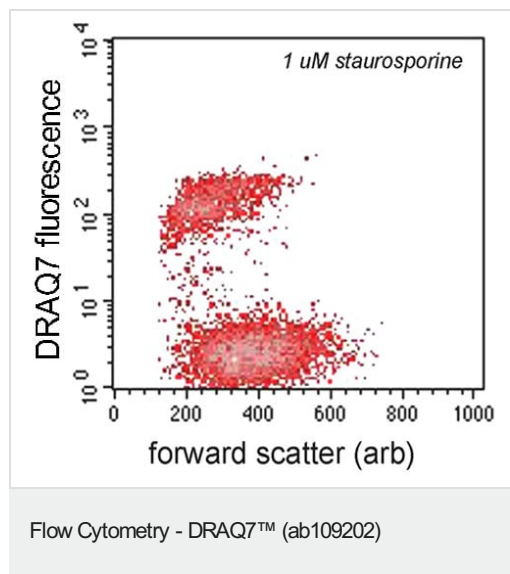
The Abpromise guarantee

Abpromise保証は、次のテスト済みアプリケーションにおけるab109202の使用に適用されます

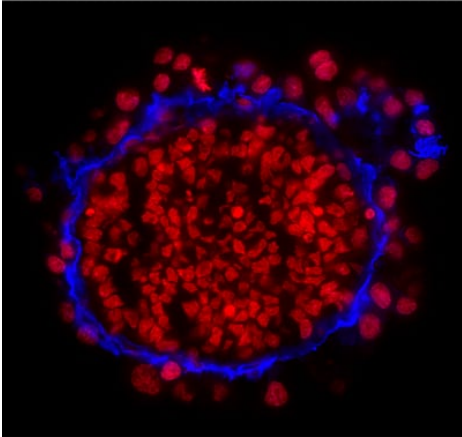
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
FM		Use at an assay dependent concentration.
Flow Cyt		1/100. (final concentration = 3µM)
ICC/IF		1/100. (final concentration = 3µM) It is highly recommended that the concentration and labelling conditions are carefully determined by each investigator for optimal performance in the assay of interest. For more specific information about the applications, please refer to the Protocol Booklet.

画像



Jurkat cells exposed to 1µM staurosporine for 24 hours show DRAQ7™ staining (top half of the plot). These cells have compromised membranes that allow entry of DRAQ7™ in the cells.



Immunohistochemistry (Frozen sections) -

DRAQ7™ (ab109202)

Courtesy of Dr. Shaohua Li, UMDNJ-Robert Wood Johnson Medical School

Sample: mouse embryonic stem cell-differentiated embryoid bodies (EBs)

Preparation:

Fix in 3%PFA in PBS for 30 min at RT

Incubate in 7.5% sucrose-PBS for 3h at RT

Incubate in 15% sucrose-PBS at 4 degree Celsius overnight

Embed the EBs in tissue-Tek OCT compound

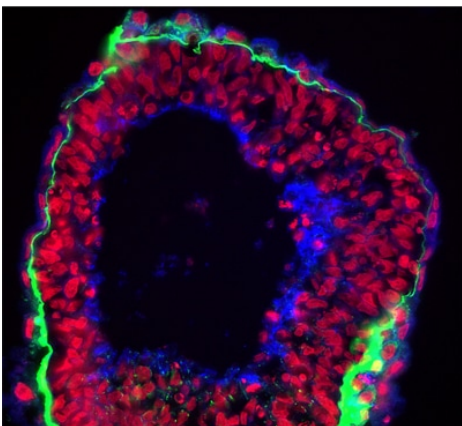
Cut frozen sections to 4-20 µm thickness

Primary antibody: Rabbit anti-laminin alpha 1, 1:400

Secondary antibody: Goat anti-rabbit IgG - H&L (AMCA)

(ab123435)

Nuclei were counterstained stained with DRAQ7™ (ab109202)



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Cut frozen sections to 4-20 µm thickness

Primary antibody: Rabbit anti-laminin alpha 1, 1:400
Secondary antibody: Goat polyclonal Secondary Antibody to Rabbit
IgG - H&L (FITC) (**ab97050**), 1:200
F-actin was stained with CytoPainter F-actin staining kit (blue)
(**ab112124**), 1:1000
Nuclei were counterstained stained with DRAQ7™, 1:1000

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

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