Product Datasheet

DRAQ5 (TM)
NBP2-81125-50ul

Unit Size: 50 ul

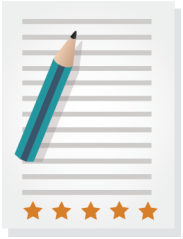
Store at 4C in the dark. Do not freeze.

www.novusbio.com technical@novusbio.com

Publications: 4

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-81125

Updated 4/26/2024 v.20.1



NBP2-81125-50ul

DRAQ5 (TM)

Product Information

Unit Size	50 ul
Concentration	Please see the protocols for proper use of this product. If no protocol is available, contact technical services for assistance.
Storage	Store at 4C in the dark. Do not freeze.
Purity	>97%

Product Description

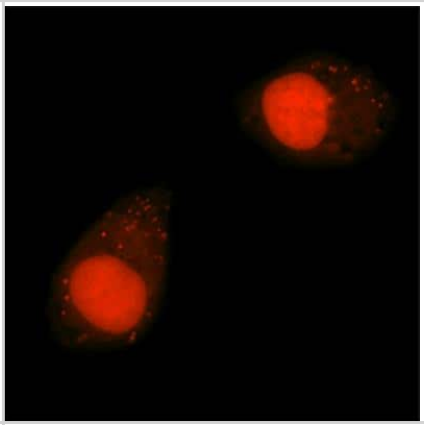
Description	**Key Features of DRAQ5 (TM)** : Bright, far-red DNA dye that works on live or fixed cell and tissue preparations for multiple applications such as flow cytometry, fluorescence imaging, and high content screening Proven no-lyse, no-wash method for measuring DNA content in cells Tested on hundreds of cell and tissue types Exceptionally photostable so no photobleaching effect Convenient, ready-to-use formulation Enables phenotyping of blood/BM and direct cellular DNA content analysis in flow cytometry without any RBC lysis or fixation, permeabilization or RNase treatment Spectrally compatible with most visible-range fluorophores including GFP/FITC and R-PE
Notes	Products are shipped at ambient temperature, but on receipt packs should be stored at 2-8C. DO NOT FREEZE. DRAQ5 (TM) can come out of solution when frozen and it is difficult (but not impossible) to get it back into solution.

Product Application Details

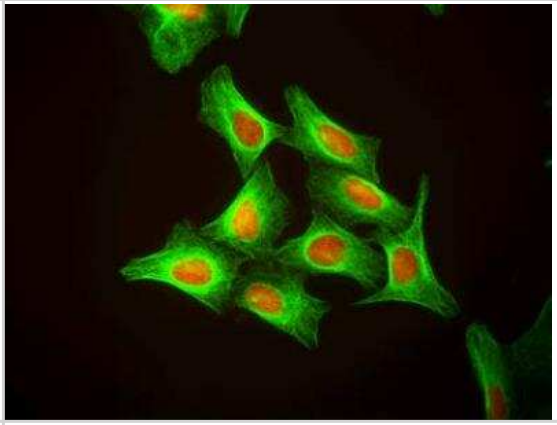
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Live Imaging Microscopy, Fluorescence Imaging
Recommended Dilutions	Flow Cytometry 1:250 - 1:1000, Immunocytochemistry/ Immunofluorescence 1:1000, Live Imaging Microscopy 1:1000, Fluorescence Imaging 1:1000
Application Notes	Use in Immunocytochemistry/Immunofluorescence reported in scientific literature (PMID:34354753).

Images

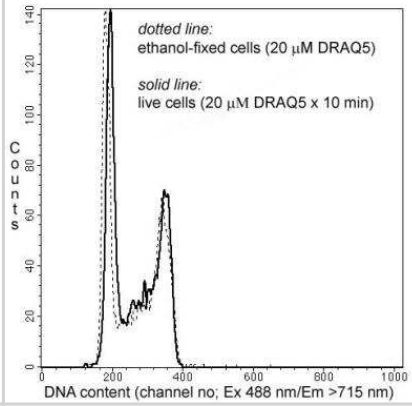
Live Imaging Microscopy: DRAQ5 (TM) [NBP2-81125] - DRAQ5 was diluted in EMEM culture media and applied to live HeLa cells at 5 uM (1:1000) for 30 minutes at room temperature and protected from light. Imaging was done immediately after staining without washing the cells.



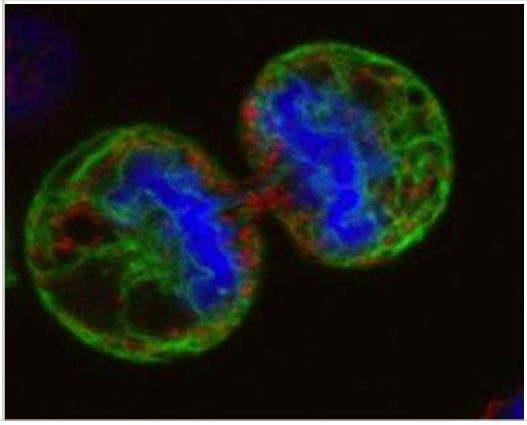
Immunocytochemistry/Immunofluorescence: DRAQ5 (TM) [NBP2-81125] - ' (red) counterstaining of fixed U2OS cells. AlexaFluor 488 antibody to beta-tubulin (green).

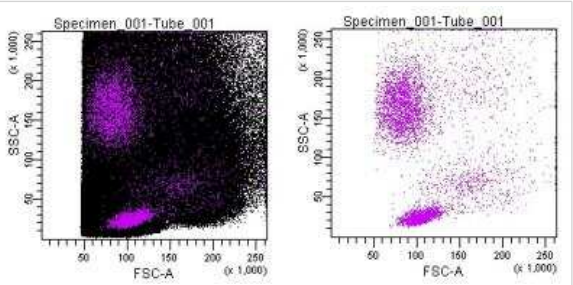
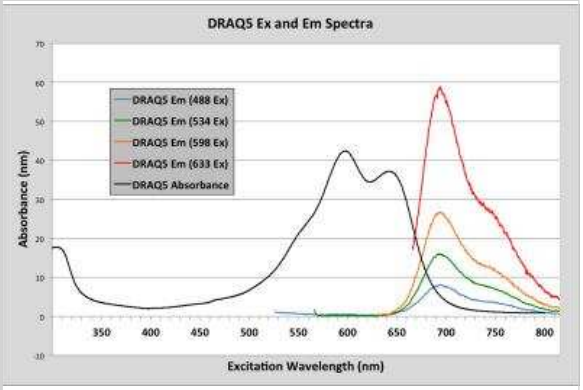


Flow Cytometry: DRAQ5 (TM) [NBP2-81125] - DNA content analysis in live or fixed cells using DRAQ5 (TM)



Immunocytochemistry/Immunofluorescence: DRAQ5 (TM) [NBP2-81125] - used to stain dsDNA of dividing cells.



Flow Cytometry: DRAQ5 (TM) [NBP2-81125] - No lyse, no wash gating of nucleated cells from whole bone marrow gating on DRAQ5 (TM) signal.	
DRAQ5 (TM) [NBP2-81125] - Excitation and Emission Spectra for DRAQ5 (TM).	

Publications

Sota S Myeloid MDA5-MAVS Sensing Demarcates Acute to Persistent Phase Transition During Murine Norovirus Infection Thesis 2023-01-01

Tran T, Song CJ, Nguyen T et al. A scalable organoid model of human autosomal dominant polycystic kidney disease for disease mechanism and drug discovery Cell stem cell 2022-07-07 [PMID: 35803227] (ICC/IF, FLOW, Human)

Mason C, Avis T, Hu C et al. The novel DNA binding mechanism of ridinilazole, a precision Clostridiodes difficile antibiotic. Research Square 2022-03-16 [PMID: 37093023] (ICC/IF)

Kandilogiannakis L, Filidou E, Drygiannakis I Et Al. Development of a Human Intestinal Organoid Model for In Vitro Studies on Gut Inflammation and Fibrosis Stem Cells International 2021-07-27 [PMID: 34354753] (ICC/IF)

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