

Product Datasheet

CyTRAK Orange (TM) NBP2-81127-50ul

Unit Size: 50 ul

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

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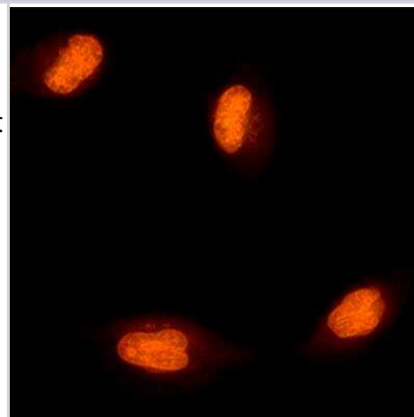


NBP2-81127-50ul**CyTRAK Orange (TM)**

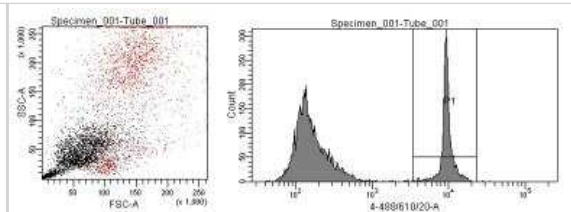
Product Information	
Unit Size	50 ul
Concentration	Please see the protocols for proper use of this product. If no protocol is available, contact technical services for assistance.
Storage	Store at 4C in the dark. Do not freeze.
Purity	>97%
Product Description	
Description	<p>Key Features of CyTRAK Orange (TM): Orange fluorescent dye that preferentially stains the nucleus, but also defines the cytoplasmic area in both live and fixed preparations Rapid staining and easy to use, without a wash or lyse step This dual compartment label provides quick, single cell feature discrimination such as cell location, cell perimeter, cell shape and cell spread parameters</p> <p>CyTRAK Orange (TM) co-excites at 488 nm with eGFP and FITC labels avoiding the need for laser alignment in confocal instruments when using this combination of probes. Since CyTRAK Orange (TM) is not excited at 633 or 647 nm, a separate series of parameters can be detected with red-exciting fluorophores such as APC, APC-Cy7.</p>
Notes	Products are shipped at ambient temperature, but on receipt packs should be stored at 2-8C. DO NOT FREEZE. CyTRAK Orange (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 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 1:1000, Live Imaging Microscopy 1:1000, Fluorescence Imaging 1:1000
Application Notes	CyTRAK Orange (TM) is supplied as a cranberry red aqueous solution at a concentration of 5mM: the 50 ul size covers 250 Imaging assays and 100 Flow Cytometry assays. The 200 ul size covers 1,000 Imaging assays, 6,600 HCS assays, and 400 Flow Cytometry assays.

Images

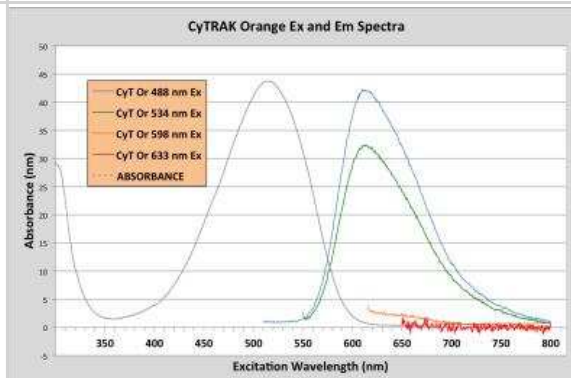
Live Imaging Microscopy: CyTRAK Orange (TM) [NBP2-81127] - CyTRAK Orange was diluted in EMEM culture media and applied to live HeLa cells at 5 uM (1:1000) for 30 minutes at room temperature and protected from light. Imaging was done immediately after staining without washing the cells.



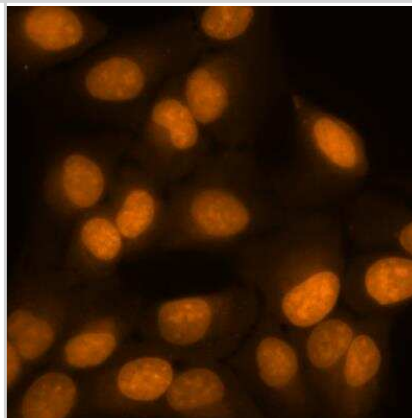
Flow Cytometry: CyTRAK Orange (TM) [NBP2-81127] - Nucleated cell gating by CyTRAK Orange (TM) intensity of intact, unlysed bone marrow with retained forward and side scatter characteristics.



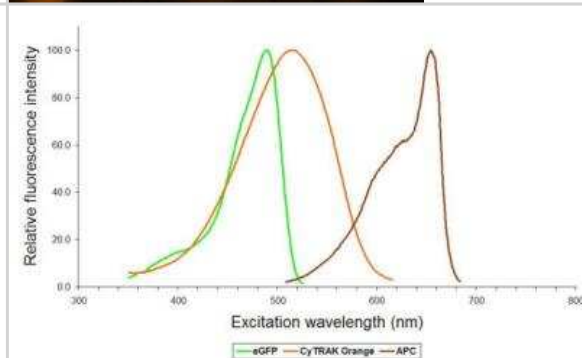
CyTRAK Orange (TM) [NBP2-81127] - Excitation and Emission Spectra for CyTRAK Orange (TM)



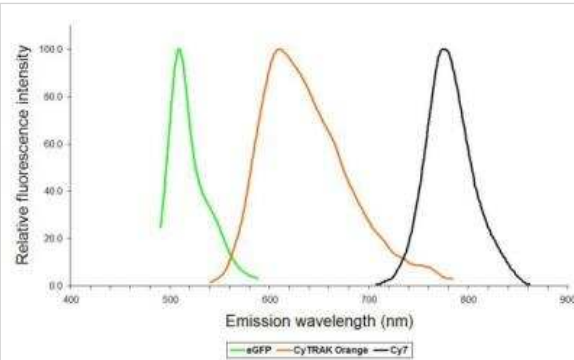
Fluorescence Imaging: CyTRAK Orange (TM) [NBP2-81127] - counterstaining of fixed U2OS cells, showing differential nuclear and cytoplasmic staining.



CyTRAK Orange (TM) [NBP2-81127] - Absorbance profile of CyTRAK Orange (TM) compared to eGFP and APC.



CyTRAK Orange (TM) [NBP2-81127] - Emission profile of CyTRAK Orange (TM) compared to eGFP and Cy7





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