

For Research Use Only. Not For Use In Diagnostic Procedures.

Applications IF-IC	Species Cross-Reactivity All	Molecular Wt. 398.69 g/mol
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Description: LysoTracker® Green DND-26 is recommended for live cell imaging only; fixation with aldehydes or alcohols will inhibit staining.

Excitation: 504 nm
Emission: 511 nm

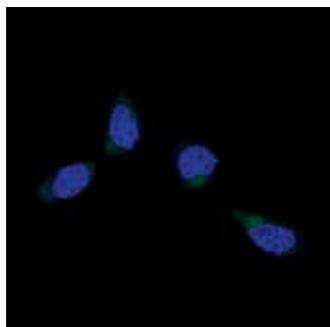
Background: LysoTracker® Green DND-26 is a cell permeable green dye that stains acidic compartments (lysosomes) in live cells.

Directions for Use: Each vial of LysoTracker® Green DND-26 contains 50 µl of solution at a 1 mM concentration in DMSO. Dilute 1:20,000 directly into normal growth media for a working concentration of 50 nM and analyze immediately. Cells must be imaged live; DO NOT FIX!

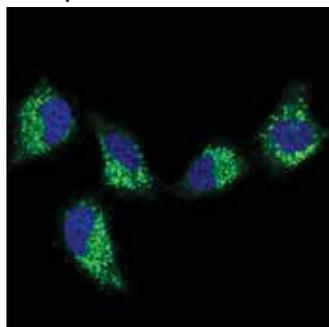
To reduce background fluorescence of the media, phenol red free media can be substituted for normal media prior to imaging. BackDrop® Green Background Suppressor #12388 can also be added to reduce background fluorescence.

Storage: Store at -20°C desiccated and protected from light. This reagent is stable for 12 months. Seal vial tightly after use to refreeze. Avoid excessive freeze-thaw cycles.

Untreated



Chloroquine-treated



Confocal immunofluorescent analysis of live HeLa cells, untreated (left) or chloroquine-treated (50 µM, 4 hr; right), using LysoTracker® Green DND-26 (green). Blue pseudocolor = DRAQ5® #4084 (fluorescent DNA dye).

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Applications Key: W—Western IP—Immunoprecipitation IHC—Immunohistochemistry ChIP—Chromatin Immunoprecipitation IF—Immunofluorescence F—Flow cytometry E-P—ELISA-Peptide
Species Cross-Reactivity Key: H—human M—mouse R—rat Hm—hamster Mk—monkey Mi—mink C—chicken Dm—D. melanogaster X—Xenopus Z—zebrafish B—bovine
 Dg—dog Pg—pig Sc—S. cerevisiae All—all species expected Species enclosed in parentheses are predicted to react based on 100% homology.