ORGANELLE-ID-RGB® reagent II

Mixture of fluorescent dyes for detection of lysosomes, endoplasmic reticulum and nucleic acids

The ORGANELLE-ID-RGB® reagent II is a mixture of cell-permeable red fluorescent lysosomal dye, green fluorescent endoplasmic reticulum dye and blue fluorescent nucleic acid dye. The staining pattern arising from the combination of these three dyes permits visualization of the target organelles by fluorescence/confocal microscopy. The reagent, supplied as a 500X solution, is sufficient for 1000 microscopy assays. The single-tube format makes this multi-organelle stain reagent easy to use.

Ordering Information

Order Online »

ENZ-530080	200µl

Manuals, SDS & CofA

View Online »

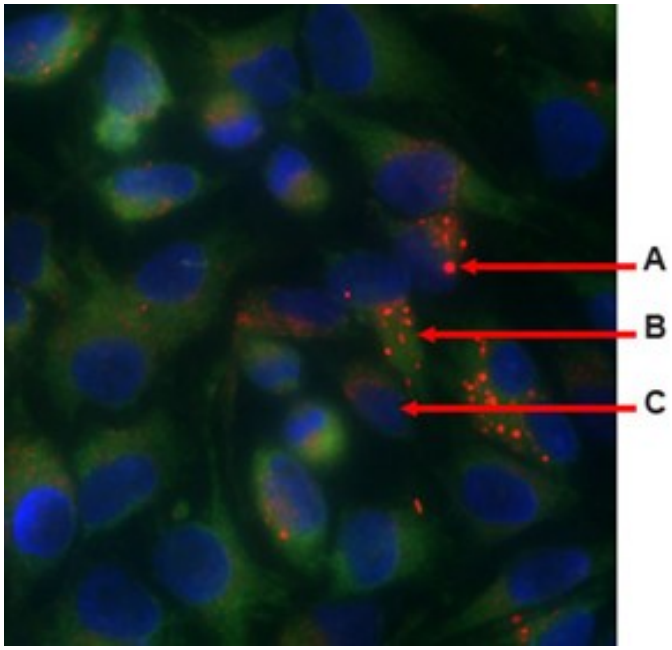


Figure 1: Live HeLa cells treated with Chloroquine and stained with ORGANELLE-ID-RGB® reagent II showing composite of (A) lysosomes in red, (B) endoplasmic reticula in green, and (C) nuclei in blue.

Handling & Storage

Handling	Protect from light. Avoid freeze/thaw cycles.
Short Term Storage	-20°C
Long Term Storage	-80°C
Shipping	Dry Ice

Regulatory Status

RUO - Research Use Only

Product Details

Purity	≥93% (HPLC)
Quantity	200µl (for 1000 microscopy assays).
Technical Info / Product Notes	**Wavelength Maxima:** **Lysosomal (Red):** Excitation: 568nm Emission: 667nm **Endoplasmic Reticulum (Green):** Excitation: 440nm Emission: 565nm **Nuclear (Blue):** Excitation: 350nm; Emission: 461nm The ORGANELLE-ID-RGB® Reagent II is a member of the CELLESTIAL® product line, reagents and assay kits comprising fluorescent molecular probes that have been extensively benchmarked for live cell analysis applications. CELLESTIAL® reagents and kits are optimal for use in demanding cell analysis applications involving confocal microscopy, flow cytometry, microplate readers and HCS/HTS, where consistency and reproducibility are required.

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