



Multiplex Organelle Detection



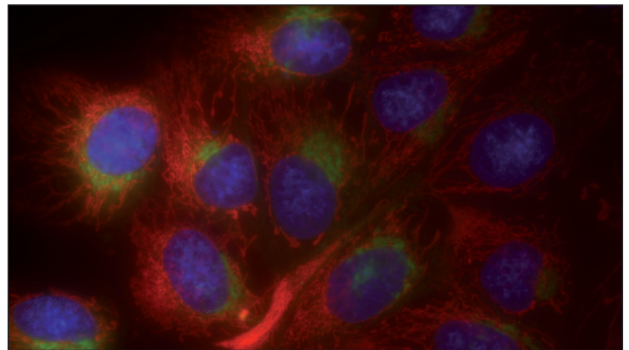
ORGANELLE-ID RGB® III Assay Kit (89165-928)

Mixture of Fluorescent Dyes for Detection of Endoplasmic Reticulum, Golgi Apparatus and Nucleus

Compared with other commercially available dyes for labeling Golgi bodies, the green dye component of the ORGANELLE-ID RGB III detection reagent is more faithfully localized to the Golgi apparatus (GA), with minimal staining of the endoplasmic reticulum (ER). The red dye component of the reagent stains the endoplasmic reticulum with high fidelity and is specifically designed for use with green fluorescent probes. ORGANELLE-ID RGB III assay kit is validated with human cervical carcinoma cell line HeLa, human T-lymphocyte cell line, Jurkat, canine kidney cell line MDCK, and human bone osteosarcoma epithelial cell line U-2 OS. The kit should also be suitable for identifying Golgi body and endoplasmic reticulum perturbing agents and thus can be a useful tool in examining the transport and recycling of molecules from the Golgi apparatus to ER in cellular secretory pathways.

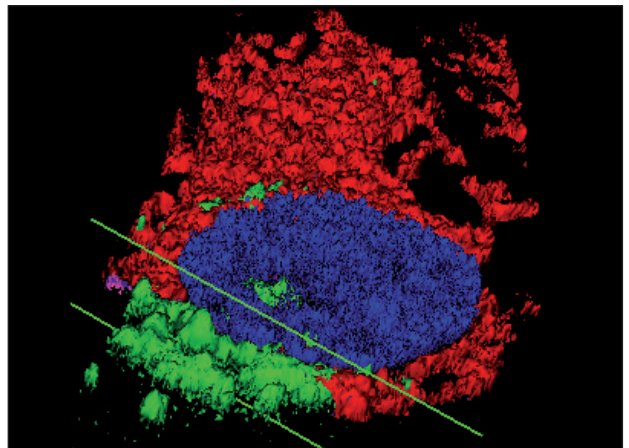
- Assay Golgi and ER dynamics in live cells
- Highly resistant to photo-bleaching, concentration quenching, and photoconversion
- Identify modulators of secretory membrane traffic and organelle integrity

ORGANELLE-ID RGB® III Kit Staining of MDCK Epithelial Cells



The ER-ID® Red, GOLGI-ID® Green and Hoechst 33342 (blue) dyes highlight their respective subcellular targets with high dependability.

Imaging of ER (red) and Golgi Body (Green) Displayed Relative to Nucleus (Blue)



Three-dimensional reconstruction of the spatial relationship between the Golgi body and the endoplasmic reticulum using a structured illumination method.

RELATED PRODUCTS

PRODUCT NAME	CAT. NO.
Antifade mounting medium (hardset)	89166-060
Antifade mounting medium with DAPI (hardset)	89166-062
ER-ID® Green Assay Kit	89165-914
ER-ID® Red Assay Kit (GFP-CERTIFIED®)	89165-916
GOLGI-ID® Green Assay Kit	89165-920
LYSO-ID® Red Detection Kit (GFP-CERTIFIED®)	10662-272 / 89165-930
LYSO-ID® Green Detection Kit	10662-270 / 89165-930
MITO-ID® Green Detection Kit	10551-282 / 89165-908
MITO-ID® Red Detection Kit (GFP-CERTIFIED®)	10662-276 / 89165-876
NUCLEOLAR-ID® Green Detection Kit	89165-880
ORGANELLE-ID RGB® Reagent I	89166-070
ORGANELLE-ID RGB® Reagent II	89166-072
ORGANELLE-ID RGB® Reagent IV	10136-044
Total NUCLEAR-ID® Green/Red Nucleolar/Nuclear Detection Kit	89165-874



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