Product Datasheet

Propidium Iodide
NBP2-31155-10mg

Unit Size: 10 mg

Store at 4C in the dark.

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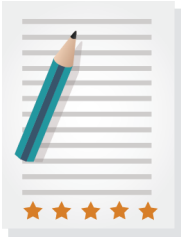
Reviews: 2 Publications: 2

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-31155

Updated 5/31/2021 v.20.1



NBP2-31155-10mg

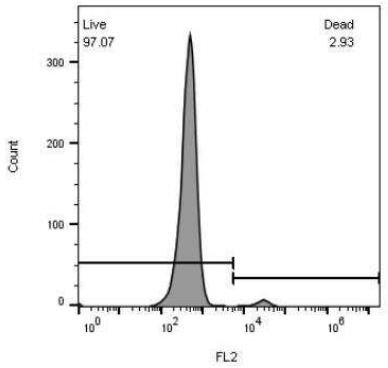
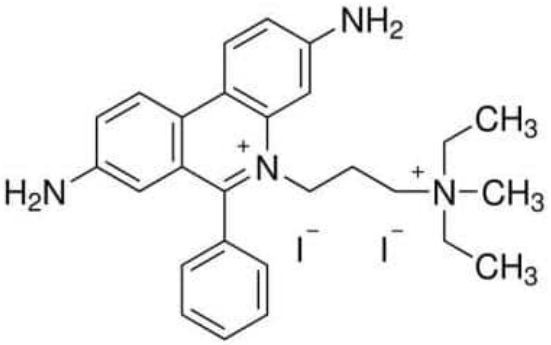
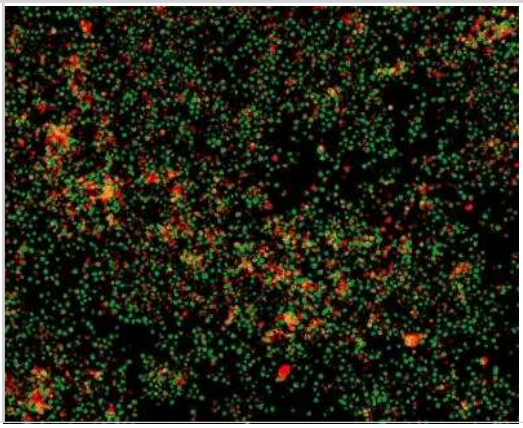
Propidium Iodide

Product Information	
Unit Size	10 mg
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.
Preservative	No Preservative

Product Description	
Description	Propidium Iodide is excluded by viable cells but can penetrate cell membranes of dying or dead cells. Dead cells will take up PI and fluoresce brightly in FL2 off of the blue laser on a standard flow cytometer. PI also may be excited by the UV or Green/Yellow lasers on more advanced flow cytometers and may, therefore, not be optimal for certain multicolor panels. It emission maxima is at 617nm.
Species	Human
Reactivity Notes	Use in Human reported in scientific literature (PMID:33800462).

Product Application Details	
Applications	Flow Cytometry, Cellular Imaging
Recommended Dilutions	Flow Cytometry, Cellular Imaging
Application Notes	Fluorescent stain for nucleic acids. Cell membrane integrity excludes propidium iodide from staining viable and apoptotic cells. Propidium iodide may be used in flow cytometry to evaluate cell viability when used with other dyes that stain viable cells or cells that are early in the apoptosis process.

Images

Flow Cytometry: Propidium Iodide [NBP2-31155] - Image from verified customer review.	
Propidium iodide Solution [NBP2-31155] - Propidium iodide Solution	
Cellular Imaging: Propidium Iodide [NBP2-31155] - MDA-MB468 cells stained with Live green dye (Calcein) and dead PI dyes (red) after 5 days of drug treatment. Image from verified customer review.	

Publications

Seidel J, Leitzke S, Ahrens B et al. Role of ADAM10 and ADAM17 in Regulating CD137 Function International Journal of Molecular Sciences 2021-03-08 [PMID: 33800462] (Human)

Chatzopoulou EI, Raharja-Liu P, Murschhauser A et al. A single-cell micro-trench platform for automatic monitoring of cell division and apoptosis after chemotherapeutic drug administration. Sci Rep 2018-12-21 [PMID: 30575776] (CIMG)

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