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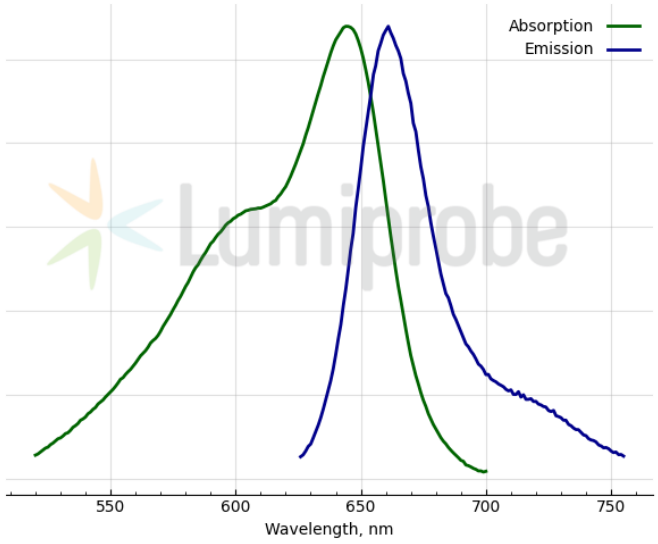
Deep-Red Fluorescent Nissl Stain

http://cn.lumiprobe.com/p/deep-red-fluorescent-nissl-stain

Nissl staining is a commonly used histological technique to visualize neural tissue morphology. The method is based on the interaction of basic dyes with the nucleic acid content of cells. Due to intensive protein synthesis, the perikarya of neurons has abundant ribosomal RNA in the rough endoplasmic reticulum (’Nissl substance’), and cytoplasmic staining of neurons is much stronger than in nuclei. On this basis, stained neurons can be distinguished from glial cells, and therefore, Nissl staining is considered specific to detect neurons.

Deep-Red Fluorescent Nissl Stain is a cell-impermeant dye that is nonfluorescent in the absence of nucleic acids but exhibits a significant fluorescence enhancement upon binding to RNA and DNA. The long-wavelength fluorescence of Deep-Red Fluorescent Nissl Stain is well separated from green and red fluorophores, which makes it ideal for multicolor fluorescence labeling experiments.

This solution is a 1000× concentrate. Dilute it with PBS to prepare staining solution.



外观:	蓝色液体
质量控制:	NMR ^{1}H 和 HPLC-MS (95+%)
储存条件:	收到后 -20°C 避光保存 24 个月。运输：室温下最多可保存3周。干燥。
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激发/吸收极大值，纳米:	644
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