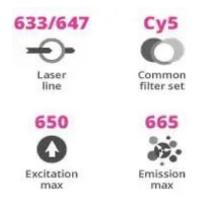


MB 633 NHS ESTER

SKU: FP-1771

Description



For many years, the cyanine-5 based dye (Cy[™]5 and more recently Alexa Fluor® 647) has been the dye of choice in far-red spectral window due to minimal autofluorescence in most biological samples in this spectral region allowing for extremely sensitive detection. In spite of recent

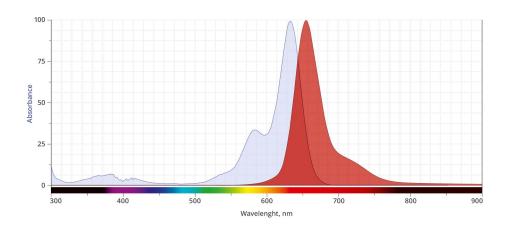
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improvement in cyanine-5 based dyes most dye are still lacks sufficient photostability required for many demanding applications.

MB 633 is a novel, rhodamine-based dye with its absorption peak at 630 nm. MB 633 can be optimally excited by the 633 nm He-Ne laser or the 635 nm red diode laser with emission maximum at 650 nm. The most important advantage of MB 633 and other rhodamine-based farred MB dyes are their unmatched photostability. The combination of superior brightness and photostability makes far-red MB dyes ideal choices for detection in the long wavelength region on a variety of instruments

Abs/Em Spectra



Specifications

Unit Size 1 mg, 5 mg, 25 mg, 100 mg Reactivity Primary amine Abs/Em Maxima 630/650 nm **Extinction coefficient** 100,000 cm-1M-1 Solubility Water, DMSO, DMF Spectrally similar dyes Alexa Fluor® 633, CF® 633, Molecular weight 1095.11 **Storage Conditions** -20°C. **Shipping Conditions** Ambient temperature

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