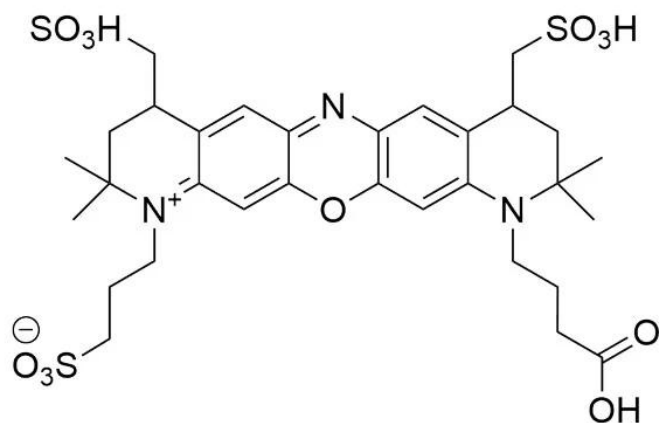


MB 660R ACID

SKU: FP-1660



Description

633/647



Laser
line

Cy5



Common
filter set

650



Excitation
max

665



Emission
max

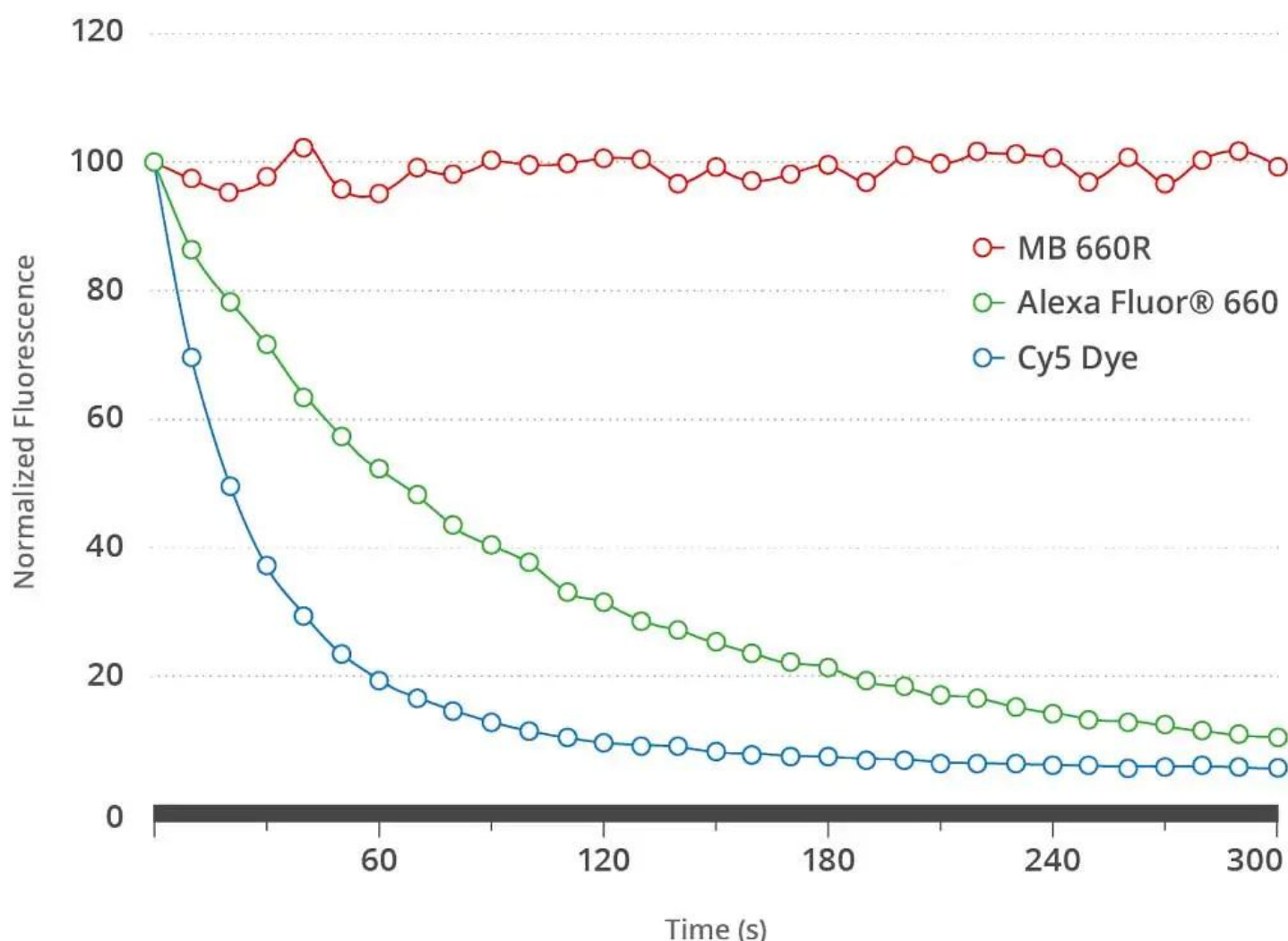
MB™ 660R is a bright and photostable far-red dye that emits fluorescence at about 685 nm in the borderline spectral region between far-red and near-IR. Although the absorption maximum is at around 665 nm, this dye can be sufficiently excited by the 633 or 635 nm laser. MB™ 660R dye is water soluble and pH-insensitive from pH 4 to pH 10. MB 660R is a rhodamine-based dye, and like rhodamine dyes in general, it is exceptionally photostable (Figure 1, description tab). The superior photostability and excellent brightness of MB 660R make the dye an ideal choice for confocal microscopy and other demanding applications.

MB™ 660R Acid often used for the preparation of custom activated esters that often are not commercially available.

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MB™ 660R Acid often used for the preparation of custom activated esters that often are not commercially available. Examples of such activated esters include sulfo-NHS, TFP (2,3,5,6-Tetrafluorophenol), and STP (4-Sulfo-2,3,5,6-Tetrafluorophenol, Sodium Salt). Another common application for the non-activated carboxylic acid is peptide modification during solid phase synthesis, which usually requires in-situ activation with peptide coupling reagents, e.g. HATU.

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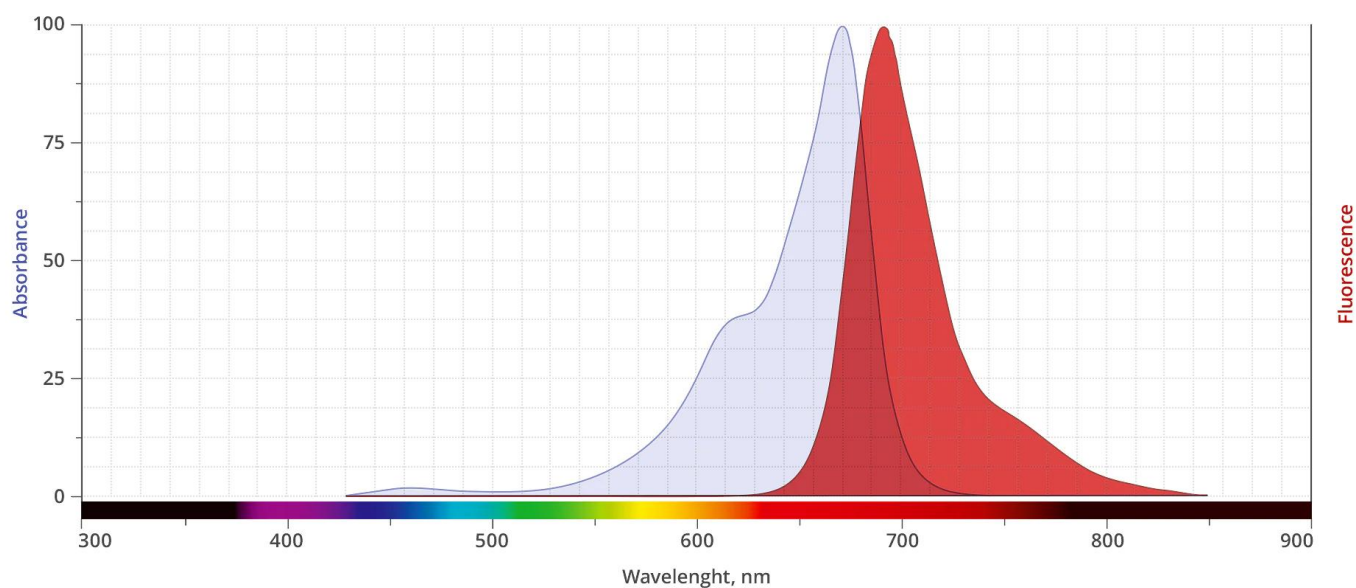


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MB 660R dye spectrally is almost identical to [Alexa Fluor® 660](#) and [CF® 660R Dye](#) and can be used a less expensive alternative to these dyes.

Alexa Fluor® is a registered trademark of Thermo Fisher Scientific. CF® Dye is a registered trademark of Biotium.

Abs/Em Spectra



Specifications

Unit Size	1 mg, 5 mg, 25 mg, 100 mg
Reactivity	Primary amine
Abs/Em Maxima	665/690 nm
Extinction coefficient	92,000 cm ⁻¹ M ⁻¹
Solubility	Water, DMSO, DMF
Spectrally similar dyes	Alexa Fluor® 660, CF® 680R
Molecular weight	743.86 (protonated)
Storage Conditions	-20°C.
Shipping Conditions	Ambient temperature

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