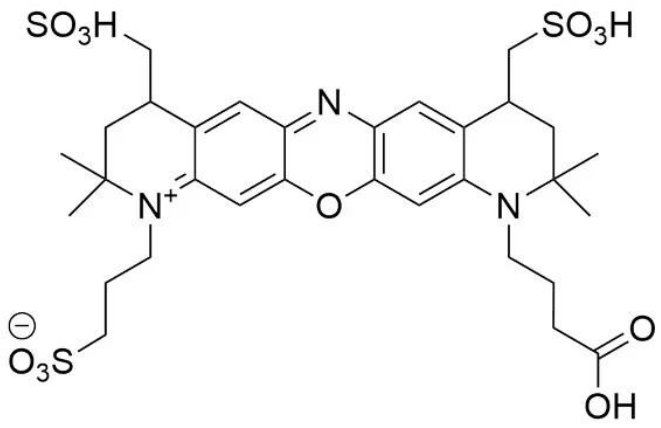
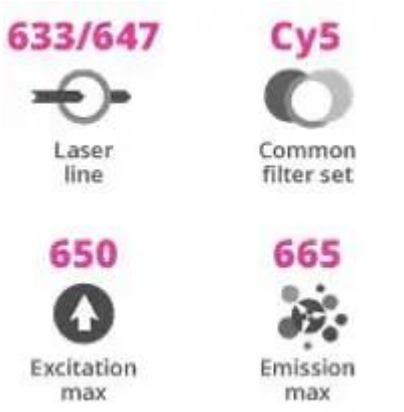
www.vectorlabs.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

MB 660R ACID

SKU: FP-1660



DESCRIPTION



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 research use only. Not intended for therapeutic or diagnostic use in animals or humans.

for confocal microscopy and other demanding applications.

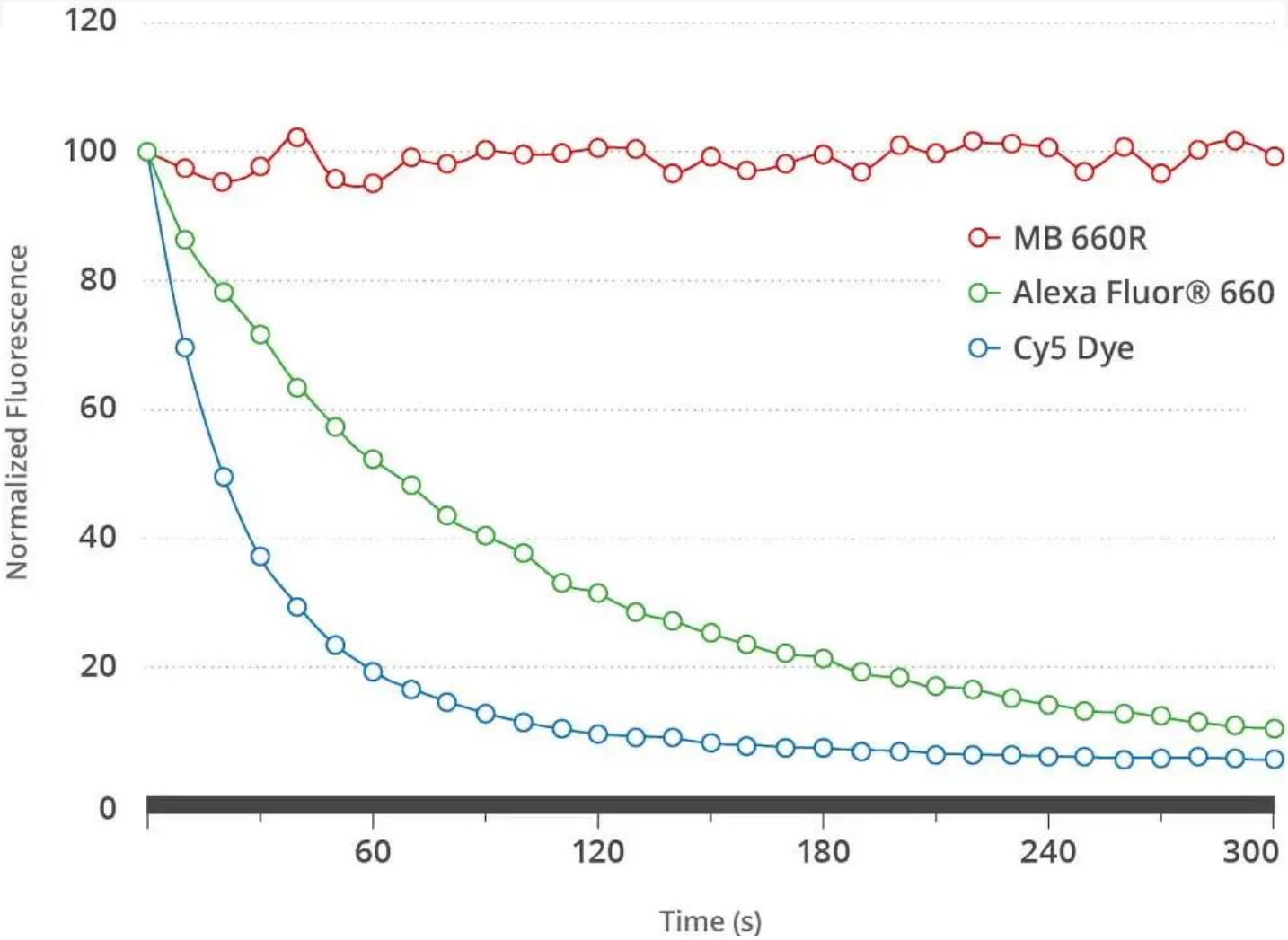
MB™ 660R Acid often used for the preparation of custom activated esters that often are not commercially available.

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 regents, e.g. HATU.

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). The superior photostability and excellent brightness of MB 660R make the dye an ideal choice for confocal microscopy and other demanding applications.

For research use only. Not intended for therapeutic or diagnostic use in animals or humans.

www.vectorlabs.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600



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.

SPECIFICATIONS

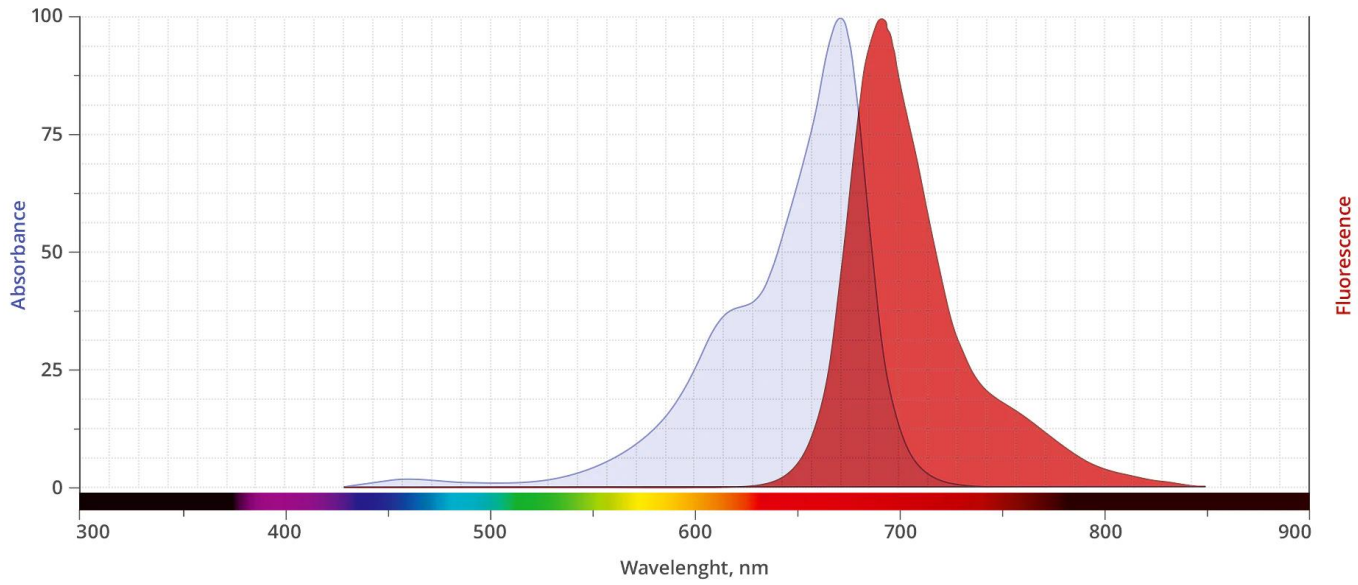
Molecular Weight	743.86 (protonated)
Extinction Coefficient	92,000 cm-1M-1
Reactivity	Primary amine
Unit Size	1 mg, 5 mg, 25 mg, 100 mg

For research use only. Not intended for therapeutic or diagnostic use in animals or humans.

www.vectorlabs.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

Solubility	Water, DMSO, DMF
Storage Instructions	-20°C.
Spectrally Similar Dyes	Alexa Fluor® 660, CF® 680R
Excitation/Emission Maximum	665/690 nm
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

ABS/EM SPECTRA



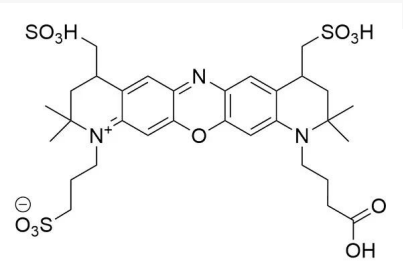
DOCUMENTS

- Safety Data Sheet
- Datasheet

GALLERY IMAGES

For research use only. Not intended for therapeutic or diagnostic use in animals or humans.

www.vectorlabs.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600



For research use only. Not intended for therapeutic or diagnostic use in animals or humans.