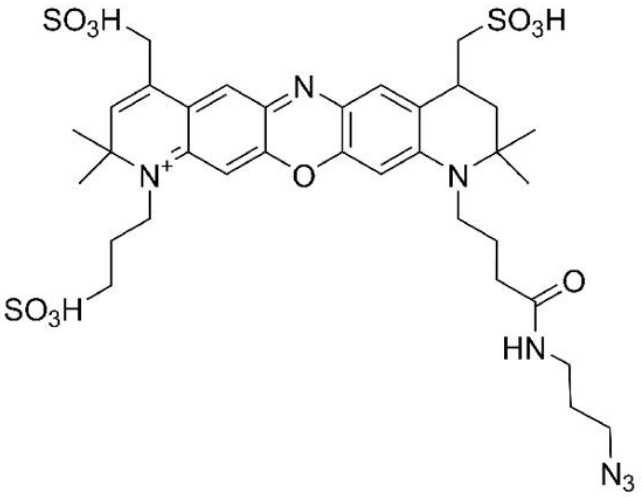
www.vectorlabs.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

MB 680R AZIDE

SKU: CCT-1464



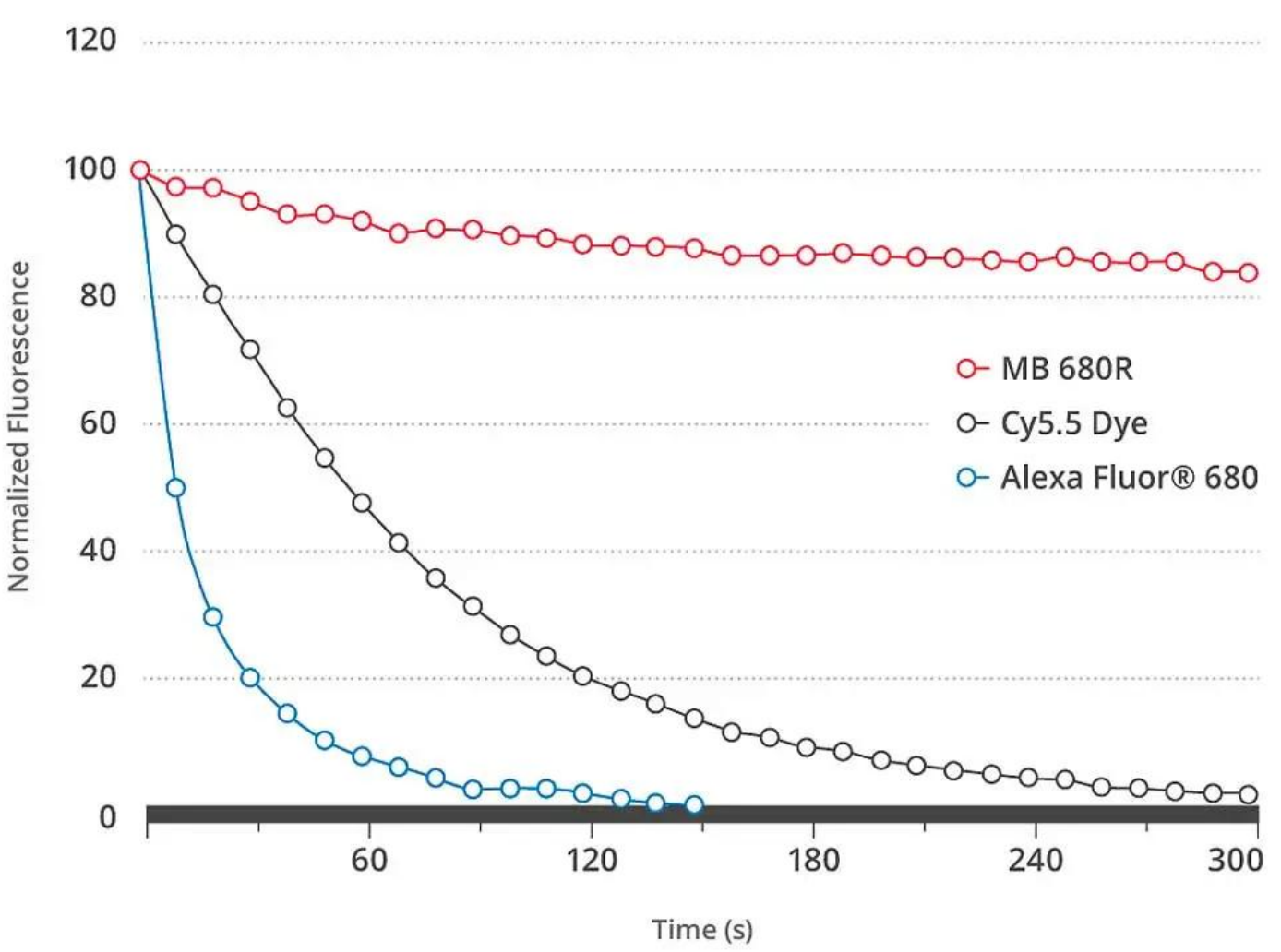
DESCRIPTION

MB 680R Azide is a bright and very photostable probe routinely used for imaging of alkyne-containing biomolecules. MB 680R Azide can be reacted with terminal alkynes via a copper-catalyzed click reaction (CuAAC). It also reacts with strained cyclooctyne via a copper-free “click chemistry” reaction to form a stable triazole and does not require Cu-catalyst or elevated temperatures. The brightness and photostability of this dye are best suited to direct imaging of low-abundance targets.

MB 680R is a bright and photostable near IR dye that emits fluorescence at about 700 nm in the borderline spectral region between far-red and near-IR. MB 680R 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 very bright and exceptionally photostable (Figure 1). The superior photostability and excellent brightness of MB 680R makes this dye an ideal for confocal microscopy, single molecule imaging and other applications that demand both brightness and photostability.

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 CF® 680R Dye and can be used a less expensive alternative to these dyes.

CF® Dye is a registered trademark of Biotium.

SPECIFICATIONS

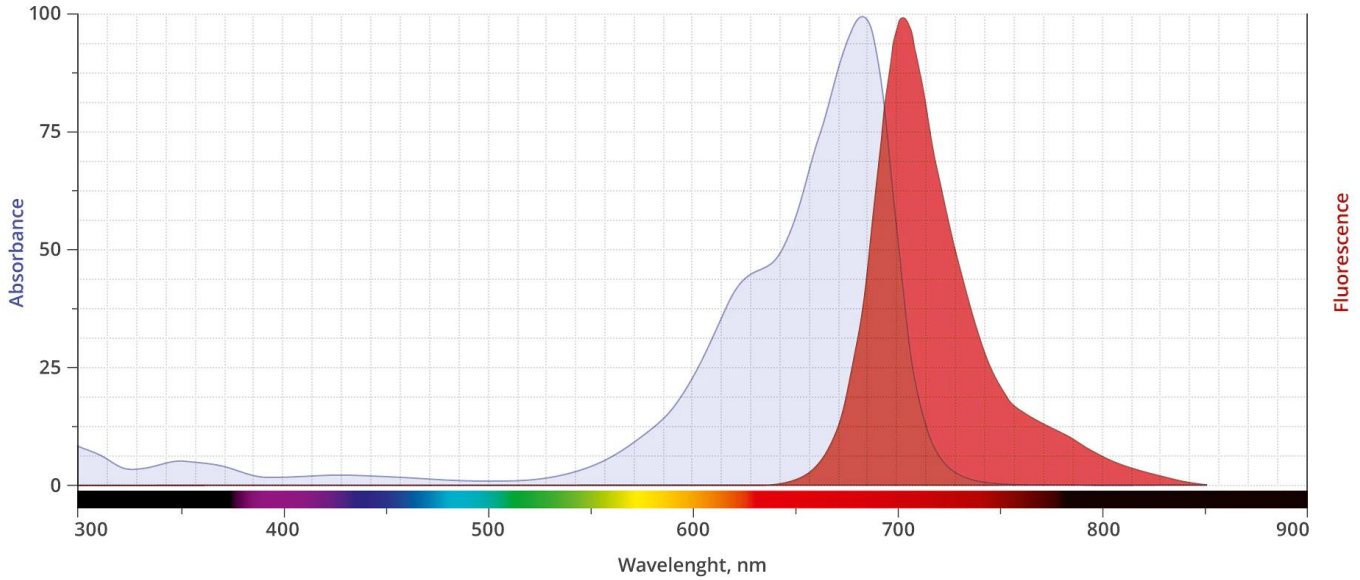
CAS Number	N/A
Molecular Weight	824.96
Appearance	Blue solid
Extinction Coefficient	135,000
Purity	>95% (HPLC)

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

Unit Size	1 mg, 5 mg, 25 mg
Solubility	Water, DMSO, DMF
Storage Instructions	-20°C. Desiccate
Spectrally Similar Dyes	Alexa Fluor® 680, CF® 680R
Laser Line	633 or 635 nm
Excitation/Emission Maximum	685/708 nm
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

ABS/EM SPECTRA



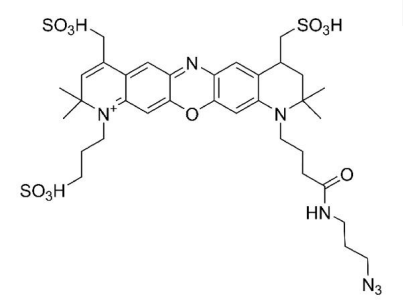
DOCUMENTS

- 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.