

Product Information

CF™DI Dye Aminoxy

Unit Size: 1 mg

Technical Summary

Cat. No.	Dye	Ex/Em*(nm)	MW
92177	CF™488DI	483/508	646.7
92178	CF™555DI	547/572	638.8
92179	CF™647DI	639/668	620.8

* in MeOH

Storage and Handling

Store CFDI dye aminoxy at -20°C, protected from light. Stock solutions may be prepared in DMF or DMSO.

Product Description

CF™DI dye, aminoxy are CF™ dyes with an aminoxy reactive group. Aminoxy group react with molecules containing aldehyde or ketone groups to form a stable oxime bond.

The CF™DI dyes are designed to match for charge and molecular weight. When coupled to the carbonyl group of the proteins, the molecular weight of the labeled proteins are closed to each other and the pI of the labeled proteins remains the same.

Related Products

Biotium also offers a line of next-generation fluorescent CF™ dyes for labeling proteins and nucleic acids, with advantages in brightness, photostability, and water solubility compared to other fluorescent dyes. You may also be interested in the following related products from Biotium:

- CF™ dye succinimidyl (NHS) ester, hydrazide, maleimide, amine, aminoxy, alkyne, and azide derivatives
- CF™ dye protein labeling kits and Mix-n-Stain™ antibody labeling kits.
- CF™ dye secondary antibody conjugates and other bioconjugates
- Please visit our website at www.biotium.com for details.

Materials from Biotium are sold for research use only, and are not intended for food, drug, household, or cosmetic use. CF dye and Mix-n-Stain are trademarks of Biotium.

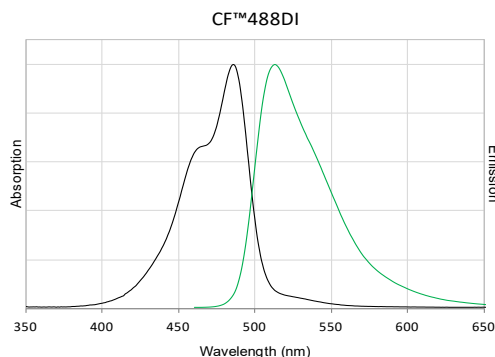


Figure 1. Absorption and emission spectra of CF™488DI in PBS.

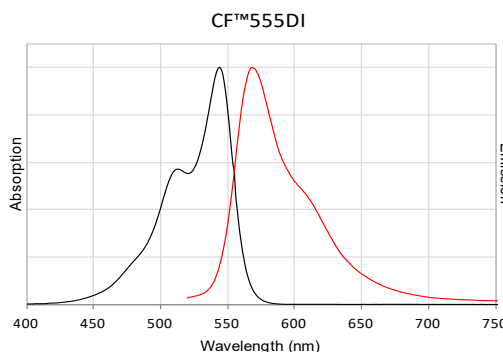


Figure 2. Absorption and emission spectra of CF™555DI in water.

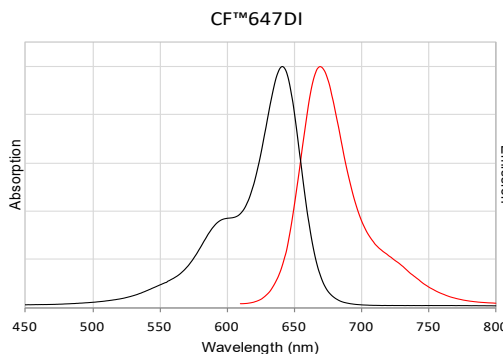


Figure 3. Absorption and emission spectra of CF™647DI in water.