

Product Information

CFDI Dye Aminoxy

Unit Size: 1 mg

Technical Summary

Cat. No.	Dye	Ex/Em*(nm)	MW
92177	CF488DI	483/508	646.7
92178	CF555DI	547/572	638.8
92179	CF647DI	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

CFDI 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 CFDI 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.

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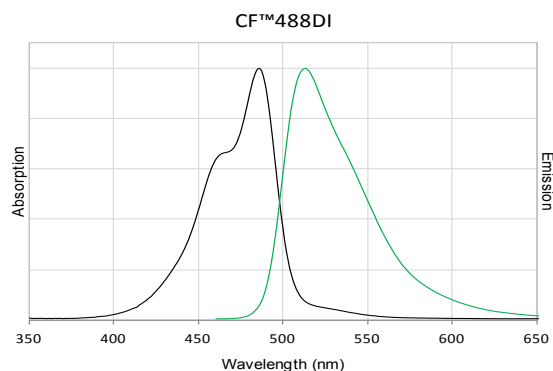


Figure 1. Absorption and emission spectra of CF488DI in PBS.

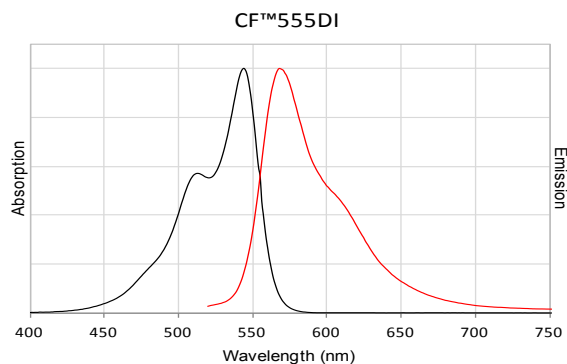


Figure 2. Absorption and emission spectra of CF555DI in DI water.

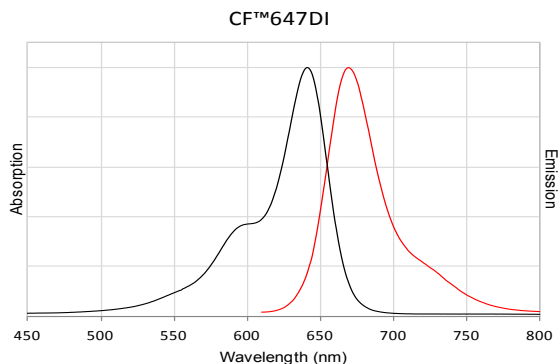


Figure 3. Absorption and emission spectra of CF647DI in DI water.