

Product Information

CF™594-dCTP

Catalog Number: 40056

Unit Size: 25 nmol

Molecular Weight: ~1667

Color and Form: Dark blue solid

Spectral Properties

$\lambda_{abs}/\lambda_{em}$ = 593/614 nm (See Figure 1)

CF™594 is spectrally similar to Alexa Fluor®594

Storage and Handling

Store desiccated at $\leq -20^{\circ}\text{C}$. When stored as directed, product should be stable for at least 6 months from the date of receipt. For aqueous solutions, prepare single use aliquots and store protected from light at -20°C for up to 6 months. Avoid freeze-thaw cycles. We recommend preparing a 1 mM stock solution in 10 mM Tris pH 7.4.

Product Application

Fluorophore conjugates of dCTP can be used in standard DNA labeling and synthesis protocols to generate fluorescent dsDNA and oligonucleotide probes.

Related Products

| Cat. # | Product description |
|--------|-----------------------|
| 40027 | CF™555-dCTP, 25 nmol |
| 40028 | CF™647-dCTP, 25 nmol |
| 40031 | CF™555-ddCTP, 25 nmol |
| 40032 | CF™640R-UTP, 25 nmol |
| 40055 | CF™568-dCTP, 25 nmol |
| 40008 | CF™488A-dUTP, 25 nmol |
| 40002 | CF™543-dUTP, 25 nmol |
| 40005 | CF™568-dUTP, 25 nmol |
| 40006 | CF™594-dUTP, 25 nmol |
| 40007 | CF™640R-dUTP, 25 nmol |
| 40003 | CF™680R-dUTP, 25 nmol |

Please visit our website at www.biotium.com to view our full selection of CF™ dye bioconjugates, including antibodies, antibody labeling kits, phalloidin, annexin V and α -bungarotoxin, as well as reagents and kits for genomics and cell biology research.

CF™ dye technology is covered by pending US and international patents. Alexa Fluor is a registered trademark of Invitrogen.

Materials from Biotium are sold for research use only, and are not intended for food, drug, household, or cosmetic use.

Absorption/Emission Spectra of CF™594 Conjugated Antibodies

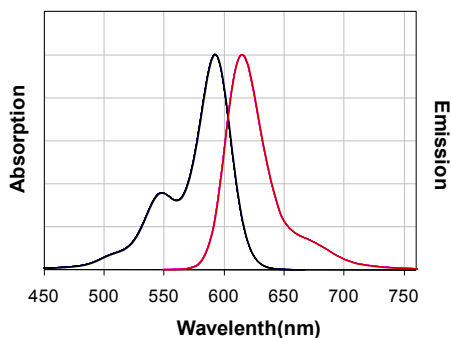


Figure 1. Absorption and emission spectra of CF™594 conjugated to goat anti-mouse IgG in PBS.