

# Product Information

## Streptavidin, CF™ dye Conjugates

Catalog No.	Product Description	Unit Size
29031	Streptavidin, CF350 Conjugate	1 mg
29032	Streptavidin, CF405S Conjugate	1 mg
29033	Streptavidin, CF405M Conjugate	1 mg
29056	Streptavidin, CF405L Conjugate	1 mg
29065	Streptavidin, CF430 Conjugate	1mg
29066	Streptavidin, CF440 Conjugate	1 mg
29034	Streptavidin, CF488A Conjugate	1 mg
29030	Streptavidin, CF532 Conjugate	1 mg
29043	Streptavidin, CF543 Conjugate	1 mg
29038	Streptavidin, CF555 Conjugate	1 mg
29035	Streptavidin, CF568 Conjugate	1 mg
29036	Streptavidin, CF594 Conjugate	1 mg
29037	Streptavidin, CF633 Conjugate	1 mg
29041	Streptavidin, CF640R Conjugate	1 mg
29039	Streptavidin, CF647 Conjugate	1 mg
29040	Streptavidin, CF660R Conjugate	1 mg
29072	Streptavidin, CF680R Conjugate	1mg

**Concentration:** 2 mg/mL with 0.01% sodium azide upon addition of 0.5 mL PBS.

**Form:** Lyophilized powder

### Spectral Properties

$\lambda_{abs}/\lambda_{em}$  (in pH 7.4 PBS buffer)

Product Description	Abs <sub>max</sub> nm	Em <sub>max</sub> nm
Streptavidin, CF350 Conjugate	347	448
Streptavidin, CF405S Conjugate	404	431
Streptavidin, CF405M Conjugate	408	452
Streptavidin, CF405L Conjugate	395	545
Streptavidin, CF430 Conjugate	426	498
Streptavidin, CF440 Conjugate	440	515
Streptavidin, CF488A Conjugate	490	515
Streptavidin, CF532 Conjugate	527	558
Streptavidin, CF543 Conjugate	541	560
Streptavidin, CF555 Conjugate	555	565
Streptavidin, CF568 Conjugate	562	583
Streptavidin, CF594 Conjugate	593	614
Streptavidin, CF633 Conjugate	630	650
Streptavidin, CF640R Conjugate	642	662
Streptavidin, CF647 Conjugate	650	665
Streptavidin, CF660R Conjugate	663	682
Streptavidin, CF680R Conjugate	680	701

### Storage and Handling

Product is stable for at least 2 years at -20°C with desiccant. Upon reconstitution of the lyophilized powder in 0.5 mL PBS, store at 4°C and protect from light.

### Product Description

Biotium offers a variety of streptavidin products including those labeled with our outstanding series of CF™ dyes. CF™ dyes are superior to other fluorescent dyes for protein labeling by having combined advantages in brightness, photostability, specificity and novel features ideal for in vivo imaging. Please visit [www.biotium.com](http://www.biotium.com) for details on individual dyes.

Streptavidin conjugates are typically used as secondary reagents to detect biotinylated probes such as primary antibodies for flow cytometry, Western blotting, immunofluorescence staining and other applications. For most fluorescent streptavidin applications, a concentration of 1 - 10 µg/mL is sufficient; however, optimal conditions should be determined empirically.

A full selection of CF™ dye labeled products including secondary antibodies, antibody labeling kits, and other bioconjugates such as phalloidins, annexin V and a-bungarotoxin are also available for many CF™ dyes. Please visit [www.biotium.com](http://www.biotium.com) for details.

### Related Products

Cat.#	Product Name	Unit Size
40061-T	RedDot™2 Far Red Nuclear Counterstain, 200X in DMSO, Trial Size (15-20 tests)	25 µL
23001	EverBrite™ Mounting Medium	10 mL
23002	EverBrite™ Mounting Medium with DAPI	10 mL
23003	EverBrite™ Hardset Mounting Medium	10 mL
23004	EverBrite™ Hardset Mounting Medium with DAPI	10 mL
23005	CoverGrip™ Coverslip Sealant	15 mL
22005	Mini Super <sup>HT</sup> Pap Pen 2.5 mm tip, ~400 uses	1 pen
22006	Super <sup>HT</sup> Pap Pen 4 mm tip, ~800 uses	1 pen
22015	Fixation Buffer	100 mL
22016	Permeabilization Buffer	100 mL
22017	Permeabilization and Blocking Buffer	100 mL
22010	10% Fish Gelatin Blocking Buffer	100 mL
22011	Fish Gelatin Powder	2 x 50 g
22014	30% Bovine Serum Albumin Solution	100 mL
22002	Tween®-20	50 mL

Please visit [www.biotium.com](http://www.biotium.com) to view our full selection of CF™ dye and R-PE conjugates, including secondary antibodies, phalloidin, Annexin V, and  $\alpha$ -bungarotoxin, as well as Mix-n-Stain antibody labeling kits. Biotium also offers a variety of apoptosis and cell viability assays for flow cytometry analysis, including mitochondrial membrane potential dyes and NucView™488 Caspase-3 Substrate for live cells.

CF dye technology is covered by pending US and international patents. AlexaFluor is a registered trademark of Molecular Probes; Cy is a trademark of GE Healthcare; DyLight is a trademark of Pierce Biotechnology.