

## Streptavidin Conjugates

A high quality biotin-binding protein conjugated to Biotium's signature bright and photostable fluorescent CF® Dyes, and a selection of other labels.



## Product Description

CF® Dyes conjugates of Streptavidin are high quality biotin-binding proteins labeled with the superior CF® Dyes or a selection of other labels. These 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.

- Conjugates with wide choice of CF® Dye colors, plus HRP, R-PE, APC, PerCP, and Alkaline Phosphatase
- Superior CF® Dyes are bright, photostable, and water-soluble
- Ideal for flow cytometry, western blotting, and immunofluorescence staining

Blue dyes have lower fluorescence and can give higher non-specific background than other dye colors. Conjugates of blue fluorescent dyes like CF®350, CF®405S, and CF®405M are not recommended for detecting low abundance targets.

### Superior CF® Dyes

Biotium's next-generation CF® Dyes were designed to be highly water-soluble with advantages in brightness and photostability compared to Alexa Fluor®, DyLight®, and other fluorescent dyes. Learn more about [CF® Dyes](#).

### Product attributes

Colors	Blue, Green, Orange, Red, Far-red, Near-infrared
Detection method/readout	Fluorescence microscopy, Live cell imaging, Flow cytometry, Near-IR imager, In vivo near-IR imaging
Antibody reactivity (target)	Biotin
Antibody/conjugate formulation	AP conjugates: 1 mg/mL in 50 mM Tris buffer (pH 8.0) with 1 mM MgCl <sub>2</sub> , 50% glycerol, and 0.05% sodium azide, APC Conjugate: 0.5 mg/mL in PBS, 50% glycerol, 2 mg/mL BSA (IgG-free and protease-free), and 0.05% sodium azide, CF® Dye Conjugates: 2 mg/mL in 1X PBS with 0.01% sodium azide after reconstitution, HRP conjugate: 1 mg/mL PBS/10 mg/mL trehalose after reconstitution, PerCP Conjugate: 0.5 mg/mL in PBS, 2 mg/mL BSA (IgG-free and protease-free), and 0.05% sodium azide, R-PE Conjugate: 0.5 mg/mL in PBS, 2 mg/mL BSA (IgG-free and protease-free), and 0.05% sodium azide
Product origin	Alkaline Phosphatase: Recombinant, E. coli, HRP: Horseradish (Armoracia rusticana), Streptavidin, recombinant from E. coli, APC from algae, BSA from bovine serum (Bos taurus) or recombinant BSA produced in Chinese hamster ovary cells., PerCP from algae

## Streptavidin Conjugates

Product	Conjugation	Ex/Em	Size	Catalog number
CF®350 Streptavidin	CF®350	347/448 nm	1 mg	<a href="#">29031</a>
CF®405S Streptavidin	CF®405S	404/431 nm	1 mg	<a href="#">29032</a>
CF®405M Streptavidin	CF®405M	408/452 nm	1 mg	<a href="#">29033</a>
CF®405L Streptavidin	CF®405L	395/545 nm	1 mg	<a href="#">29056</a>
CF®430 Streptavidin	CF®430	426/498 nm	1 mg	<a href="#">29065</a>
CF®440 Streptavidin	CF®440	440/515 nm	1 mg	<a href="#">29066</a>
CF®488A Streptavidin	CF®488A	490/515 nm	1 mg	<a href="#">29034</a>
CF®514 Streptavidin	CF®514	516/548 nm	1 mg	<a href="#">29081</a>
CF®532 Streptavidin	CF®532	527/558 nm	1 mg	<a href="#">29030</a>
CF®543 Streptavidin	CF®543	541/560 nm	1 mg	<a href="#">29043</a>
CF®555 Streptavidin	CF®555	555/565 nm	1 mg	<a href="#">29038</a>
CF®568 Streptavidin	CF®568	562/583 nm	1 mg	<a href="#">29035</a>
CF®583R Streptavidin	CF®583R	586/609 nm	1 mg	<a href="#">29086</a>
CF®594 Streptavidin	CF®594	593/614 nm	1 mg	<a href="#">29036</a>
CF®633 Streptavidin	CF®633	630/650 nm	1 mg	<a href="#">29037</a>
CF®640R Streptavidin	CF®640R	642/662 nm	1 mg	<a href="#">29041</a>
CF®647 Streptavidin	CF®647	650/665 nm	1 mg	<a href="#">29039</a>
CF®660R Streptavidin	CF®660R	663/682 nm	1 mg	<a href="#">29040</a>
CF®680R Streptavidin	CF®680R	680/701 nm	1 mg	<a href="#">29072</a>
CF®740 Streptavidin	CF®740	742/767 nm	1 mg	<a href="#">29129</a>
Alkaline Phosphatase Streptavidin (1 mg/mL)	Alkaline Phosphatase	N/A	100 uL	<a href="#">29071-100uL</a>
1 mL				<a href="#">29071-1mL</a>
HRP Streptavidin	HRP	N/A	1 mg	<a href="#">29049</a>
R-PE Streptavidin (0.5 mg/mL)	R-PE	496, 546, 565/578 nm	200 uL	<a href="#">29044-200uL</a>
1 mL				<a href="#">29044-1mL</a>
APC Streptavidin (0.5 mg/mL)	APC	650/660 nm	200 uL	<a href="#">29048-200uL</a>
1 mL				<a href="#">29048-1mL</a>
PerCP Streptavidin (0.5 mg/mL)	PerCP	482/675 nm	200 uL	<a href="#">29140-200uL</a>
1 mL				<a href="#">29140-1mL</a>

## Storage and Handling

### Liquid formats:

Streptavidin, R-PE Conjugate and PerCP Conjugate: Store at 4°C, protected from light. Storage at -20°C is not recommended for R-PE or PerCP conjugates. Product is stable for at least 6 months from date of receipt when stored as recommended.

Streptavidin, APC Conjugate: Store at -20°C, protected from light. Product is stable for at least 6 months from date of receipt when stored as recommended.

Streptavidin, Alkaline Phosphatase Conjugate: Store at -20°C. Product is stable for at least 6 months from date of receipt when stored as recommended.

### Lyophilized format:

CF® Dye Streptavidin Conjugates: Product is stable for at least 2 years at -20°C with desiccant. Add 0.5 mL of PBS to 1 mg lyophilized CF® Dye Streptavidin Conjugate and mix gently to dissolve.

Streptavidin, HRP Conjugate: add 1 mL pH ~7.4 1X PBS and mix gently to dissolve. Reconstituted HRP conjugate can be stored in aliquots at -20°C for at least 6 months. Do not add azide to HRP conjugates.

CF is a registered trademark of Biotium

## References

Download a list of [CF® dye references](#).

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