

Product Information

Streptavidin, APC Conjugates

Catalog No.	Product Description	Unit Size
29048-1mL	Streptavidin, Allophycocyanin crosslinked conjugate	1 mL
29048-200uL	Streptavidin, Allophycocyanin crosslinked conjugate	200 uL

Concentration: 0.5 mg/mL in pH ~7.4 PBS containing 50% glycerol, 2 mg/ml bovine serum albumin (IgG-free and protease-free) and 0.05% sodium azide.

Form: Blue solution

Spectral Property

$\lambda_{abs}/\lambda_{em}$ (in pH 7.4 PBS buffer): 633, 640 nm/660 nm

Storage and Handling

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

Product Description

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 μ g/mL is sufficient; however, optimal conditions should be determined empirically.

The products are prepared by labeling streptavidin with allophycocyanine (APC). APC belongs to the family of phycobiliproteins, which are derived from cyanobacteria and eukaryotic algae. APC has absorption maxima at 650 and emission at 660 nm. Because of the high fluorescence quantum yield (~0.68), APC is by far the brightest dye for the 650 nm wavelength region.

Other APC products

Cat.#	Product Name
20411	Goat Anti-Mouse IgG (H+L)
20412	Goat Anti-Rabbit IgG (H+L)
20413	Goat Anti-Rat IgG (H+L), highly cross-adsorbed Min X Hu, Bv, Hs and Rb
20414	F(ab') ₂ fragment of Goat anti-Mouse IgG (H+L)
20415	F(ab') ₂ fragment Goat Anti-Rabbit IgG (H+L)

Bv: bovine; Ch: chicken; Gt: goat; GP: Guinea pig; Hs: horse; Hu: human; Ms: mouse; Rb: rabbit; Sh: sheep; SHm: Syrian hamster; Sw: swine; Rt: rat

Other Related Products

You also may be interested in the following related products:

CF™ dye streptavidin 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
29034	Streptavidin, CF488A 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
29039	Streptavidin, CF647 Conjugate	1 mg
29040	Streptavidin, CF660R Conjugate	1 mg

CF™ dye conjugated mouse monoclonal anti-biotin antibody

Catalog No.	Product Description	Unit Size
20203	CF405S mouse monoclonal anti-biotin, 2 mg/mL	0.25 mL
20203-1	CF405S mouse monoclonal anti-biotin, 2 mg/mL	50 uL
20204	CF488A mouse monoclonal anti-biotin, 2 mg/mL	0.25 mL
20204-1	CF488A mouse monoclonal anti-biotin, 2 mg/mL	50 uL
20205	CF594 mouse monoclonal anti-biotin, 2 mg/mL	0.25 mL
20205-1	CF594 mouse monoclonal anti-biotin, 2 mg/mL	50 uL
20206	CF633 mouse monoclonal anti-biotin, 2 mg/mL	0.25 mL
20206-1	CF633 mouse monoclonal anti-biotin, 2 mg/mL	50 uL
20207	CF640R mouse monoclonal anti-biotin, 2 mg/mL	0.25 mL
20207-1	CF640R mouse monoclonal anti-biotin, 2 mg/mL	50 uL

Biotium offers a wide selection of fluorescent dye labeled products including secondary antibodies, antibody labeling kits, and other bioconjugates, featuring our proprietary line of exceptionally bright and photostable CF™ dyes. Please visit our website at www.biotium.com for details.