

Datasheet: STAR119

Description:	STREPTAVIDIN:APC
Name:	STREPTAVIDIN
Format:	APC
Product Type:	Accessory Reagent
Quantity:	100 TESTS

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			Neat

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Product Form Streptavidin conjugated to Allophycocyanin - lyophilised

Reconstitution Reconstitute with 1ml distilled water

Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	APC	650	661

Preparation Pure Streptavidin is reacted with Succinimidyl 4- (N-maleimido-methyl) cyclohexane - 1-carboxylate (SMCC). Allophycocyanin is reacted with N-succinimidyl 3-(2 - pyridyldithio) propionate (SPDP) and activated by reduction with dithiothreitol. The two substituted proteins are reacted together to give covalent conjugates, which are selected by medium pressure liquid chromatography on gel filtration columns of Aca34 ultrogel.

Buffer Solution Phosphate buffered saline

Preservative 0.09% Sodium Azide
Stabilisers 1% Bovine Serum Albumin
 5% Sucrose

Approx. Protein Concentrations Total protein concentration 0.1mg/ml

Product Information **APC conjugated Streptavidin** is designed as a secondary reagent for use in flow cytometry in conjunction with biotinylated primary antibodies.

APC conjugated Streptavidin conjugates show negligible non-specific binding to non-biotinylated

macromolecules, and therefore gives very low backgrounds.

Flow Cytometry Use 10ul of the suggested working dilution to label 10⁶ cells in 100ul.

Storage Prior to reconstitution store at +4°C. Following reconstitution store at +4°C.

DO NOT FREEZE.

This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life 12 months from date of reconstitution.

Health And Safety Information Material Safety Datasheet documentation #10223 available at:
10223: <https://www.bio-rad-antibodies.com/uploads/MSDS/10223.pdf>

Regulatory For research purposes only

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