

## Datasheet: STAR119

<b>Description:</b>	STREPTAVIDIN:APC
<b>Name:</b>	STREPTAVIDIN
<b>Format:</b>	APC
<b>Product Type:</b>	Accessory Reagent
<b>Quantity:</b>	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](http://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.

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**Flow Cytometry** Use 10ul of the suggested working dilution to label 10<sup>6</sup> cells in 100ul.

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**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.

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**Guarantee** 12 months from date of reconstitution.

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

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**Regulatory** For research purposes only

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**Printed on 15 Mar 2019**

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