

APC Streptavidin (High Concentration)

Catalog# / Size	405243 / 500 µg
Regulatory Status	RUO
Other Names	Streptavidin-Allophycocyanin, SAV-APC
Description	Streptavidin binds to biotin with high affinity. Streptavidin-APC is useful for detecting biotinylated antibodies. The excitation of APC by 600-635 nm laser light induces a fluorescence emission maximum of 660 nm.

Product Details

Verified Reactivity	Human, Mouse, Rat, All Species
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Preparation	Streptavidin is conjugated with APC under optimal conditions.
Concentration	1.0 mg/ml
Storage & Handling	The Streptavidin-APC solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested ICFC - Verified
Recommended Usage	Each lot of this Streptavidin-APC is quality control tested by immunofluorescent staining with flow cytometric analysis. The concentration provided is based upon molecular mass of streptavidin independent of any additional molecular mass that might be added by the APC conjugation. For immunofluorescent staining, the recommended use of this reagent is ≤ 0.06 µg per million cells in 100 µl staining volume. It is recommended that the reagent be titrated for optimal performance for each application.
Excitation Laser	Red Laser (633 nm)
Application Notes	Streptavidin-Allophycocyanin (APC) is useful as a second step reagent for indirect immunofluorescent staining, when used in conjunction with biotinylated primary antibodies. The average molecular weight of Streptavidin-APC is 320 kD and Streptavidin alone is 52 kD.

Application References

(PubMed link indicates BioLegend citation)

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Product Citations

1. Kristensen NP, *et al.* 2022. *J Clin Invest*. 132:. [PubMed](#)
2. Kim DJ, *et al.* 2020. *J Virol*. :94. [PubMed](#)
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Antigen Details

Gene ID NA

Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

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