

FITC Avidin

Catalog# / Size	405101 / 100 µg 405102 / 500 µg
Regulatory Status	RUO
Other Names	Avidin-Fluorescein Isothiocyanate, Av-FITC
Description	Avidin binds to biotin with high affinity. Avidin-fluorescein isothiocyanate (FITC) is useful for detecting biotinylated antibodies. The excitation of FITC by 488 nm laser light induces a light emission maximum of 520 nm.

Product Details

Formulation	10 mM HEPES, 0.5 M NaCl, pH 8.0, containing 0.08% sodium azide.
Preparation	Avidin is conjugated with FITC under optimal conditions.
Concentration	0.5 mg/ml
Storage & Handling	This 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	Avidin-FITC is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the recommended use of this reagent is ≤0.125 µg per 10 ⁶ cells in 100 µl staining volume. It is recommended that the reagent be titrated for optimal performance for each application.
Excitation Laser	Blue Laser (488 nm)
Application Notes	Avidin-FITC is useful as a second step reagent for indirect immunofluorescent staining, when used in conjunction with biotinylated primary antibodies.
Application References (PubMed link indicates BioLegend citation)	1. Jeon OH, <i>et al.</i> 2007. <i>Throb res.</i> 119:609. PubMed 2. Lin HY, <i>et al.</i> 2013. <i>J. Virol.</i> 87:9064. PubMed
Product Citations	1. Jeon O, <i>et al.</i> 2007. <i>Thromb Res.</i> 119:609. PubMed 2. Lin H, <i>et al.</i> 2013. <i>J Virol.</i> 87:9064. PubMed 3. Dalangood S, <i>et al.</i> 2020. <i>Theranostics.</i> 10:10078. PubMed 4. Quaranta M, <i>et al.</i> 2011. <i>PLoS One.</i> 6:e23442. PubMed

Antigen Details

Gene ID	NA
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Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

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