

## FITC Avidin

<b>Catalog# / Size</b>	405101 / 100 µg 405102 / 500 µg
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	Avidin-Fluorescein Isothiocyanate, Av-FITC
<b>Description</b>	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

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<b>Formulation</b>	10 mM HEPES, 0.5 M NaCl, pH 8.0, containing 0.08% sodium azide.
<b>Preparation</b>	Avidin is conjugated with FITC under optimal conditions.
<b>Concentration</b>	0.5 mg/ml
<b>Storage &amp; Handling</b>	This solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. <b>Do not freeze.</b>
<b>Application</b>	<a href="#">FC - Quality tested</a> <a href="#">ICFC - Verified</a>
<b>Recommended Usage</b>	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 <sup>6</sup> cells in 100 µl staining volume. It is recommended that the reagent be titrated for optimal performance for each application.
<b>Excitation Laser</b>	Blue Laser (488 nm)
<b>Application Notes</b>	Avidin-FITC is useful as a second step reagent for indirect immunofluorescent staining, when used in conjunction with biotinylated primary antibodies.
<b>Application References</b>	1. Jeon OH, <i>et al.</i> 2007. <i>Throb res.</i> 119:609. <a href="#">PubMed</a> 2. Lin HY, <i>et al.</i> 2013. <i>J. Virol.</i> 87:9064. <a href="#">PubMed</a>
<b>Product Citations</b>	1. Jeon O, <i>et al.</i> 2007. <i>Thromb Res.</i> 119:609. <a href="#">PubMed</a> 2. Lin H, <i>et al.</i> 2013. <i>J Virol.</i> 87:9064. <a href="#">PubMed</a> 3. Dalangood S, <i>et al.</i> 2020. <i>Theranostics.</i> 10:10078. <a href="#">PubMed</a> 4. Quaranta M, <i>et al.</i> 2011. <i>PLoS One.</i> 6:e23442. <a href="#">PubMed</a>

### Antigen Details

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<b>Gene ID</b>	NA
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### Related Protocols

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[Cell Surface Flow Cytometry Staining Protocol](#)

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