

# Fluorescent Dye 405-I Streptavidin

Catalog # U0277

Size 200 ug

## Applications

Maximum Excitation/Emission wavelength: 401/420 nm

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## Specification

<b>Product Description</b>	Fluorescence Dye 405-I with Streptavidin conjugate. Protein conjugates prepared with Fluorescence Dye 405-I are bright with fluorescence unaffected by pH in the physiological range (pH 4-10). Fluorescence Dye 405-I labeled conjugates are excellent violet laser reagents for flow cytometry research.
<b>Spectral Equivalent</b>	Alexa Fluor 405, DyLight 405
<b>Molar Extinction Coefficient</b>	$\geq 20,000\text{M}^{-1}\text{cm}^{-1}$
<b>Excitation (Max)</b>	401nm
<b>Emission (Max)</b>	420nm
<b>Solubility</b>	Water
<b>Regulation Status</b>	For research use only (RUO)
<b>Recommend Usage</b>	Labeling via Streptavidin for fluorescence imaging and other fluorescence-based biochemical analysis. For most fluorescent streptavidin applications, a concentration of 1-20 ug/mL is sufficient. The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	Water

**Storage Instruction**

Store the product in desiccated environment at -20°C and avoid from light.

Add ddH<sub>2</sub>O with 0.1% BSA into the vial to have 1 mg/mL stock solution. This reconstituted solution remains stable for 2 months when stored in the presence of 2 mM sodium azide and avoid from light at 4°C. For longer storage, divide the reconstituted solution into single-used aliquots, or add equal volume of glycerol without aliquoting, and avoid from light at -20°C.

**Note**

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- Conjugation
- Flow Cytometry