

Fluorescent Dye 405-I Streptavidin

Catalog # U0277

Size 200 ug

Applications

Maximum Excitation/Emission wavelength: 401/420 nm

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Specification

Product Description	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.
Spectral Equivalent	Alexa Fluor 405, DyLight 405
Molar Extinction Coefficient	$\geq 20,000\text{M}^{-1}\text{cm}^{-1}$
Excitation (Max)	401nm
Emission (Max)	420nm
Solubility	Water
Regulation Status	For research use only (RUO)
Recommend Usage	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.
Storage Buffer	Water

Storage Instruction

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

Add ddH₂O 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