

Fluorescent Dye 450-M Streptavidin

Catalog # U0279

Size 100 ug

Applications

Maximum Excitation/Emission wavelength: 403/454 nm

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Specification

Product Description

Fluorescence Dye 450-M with Streptavidin conjugate. All the Fluorescent Dye M series products are designed to be maximally excited by one of the major light sources equipped in flow cytometers. Besides, in comparison with phycobiliprotein tandems, Fluorescent Dye M series possesses better photostability, higher conjugation yields, and little pH sensitivity making it an ideal choice in fluorescence imaging applications.

Spectral Equivalent

Pacific Blue

Molar Extinction Coefficient

$\geq 30,000 \text{ M}^{-1} \text{ cm}^{-1}$

Excitation (Max)

403nm

Emission (Max)

454nm

Recommended Excitation

Violet (405nm)

Recommended Filter Sets

450/50 nm Filter

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 $\mu\text{g/mL}$ 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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Applications

- Conjugation
- Flow Cytometry