

Fluorescent Dye 488-I Streptavidin

Catalog # U0280

Size 200 ug

Applications

Maximum Excitation/Emission wavelength: 491/514 nm

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Specification

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| Product Description | Fluorescence Dye 488-I with Streptavidin conjugate. Fluorescence Dye 488-I conjugates are significantly brighter than fluorescein conjugates and much more photostable. Additionally, the fluorescence of Fluorescence Dye 488-I is not affected by pH between 4-10. Compared to Alexa Fluor 488, "Fluorescence Dye 488-I of single isomer has much higher purity, bringing better performance consistency from batch to batch. |
| Spectral Equivalent | Alexa Fluor 488, Cy2, DyLight 488, FITC |
| Molar Extinction Coefficient | $\geq 70,000 \text{ M}^{-1} \text{ cm}^{-1}$ |
| Excitation (Max) | 491nm |
| Emission (Max) | 514nm |
| 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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Applications

- Conjugation