

## Vari Fluor 647-Streptavidin

Cat. No.:	HY-D1805
Target:	Fluorescent Dye
Pathway:	Others
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)

### BIOLOGICAL ACTIVITY

<b>Description</b>	Vari Fluor 647-Streptavidin is a dye marker of Vari Fluor-streptavidin consisting of labeling streptavidin with a Vari Fluor series of fluorescent probes. Streptavidin is a high-affinity tetramer protein, each tetramer consisting of four identical streptavidin subunits. Streptavidin binds to biotin specifically via a reversible non-covalent effect. Streptavidin can achieve rapid and efficient detection of biotin markers, and is often used in immunofluorescence (IF), enzyme-linked immunosorbent assay (ELISA), immunohistochemical staining (IFH), in situ hybridization (ISH) and other experiments. Ex/Em=650 nm/665 nm.
<b>In Vitro</b>	<p><b>General Protocol</b></p> <p>1. Protein treatment Before use, centrifuge at 5000× g for 3 min, only the supernatant is used for experiments to eliminate protein aggregates and reduce non-specific background staining.</p> <p>2. Labeling Dilute Vari Fluor-Streptavidin at 1:500-1:1000, which can be adjusted according to the specific conditions of the protein or antibody.</p> <p><b>Storage</b> -20°C, Protect from light</p> <p><b>Precautions</b></p> <ol style="list-style-type: none"><li>1. The actual content of the dye is small, dissolve it directly in the tube after receiving it for experiments.</li><li>2. Before use, please centrifuge the product to the bottom of the tube instantaneously before subsequent experiments.</li><li>3. This product is intended for scientific research only by professionals and is not to be used for clinical diagnosis or treatment, food or medicine.</li><li>4. For your safety and health, please wear lab coat and disposable gloves.</li></ol> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

### REFERENCES

[1]. Nanda JS, et al. Labeling a protein with fluorophores using NHS ester derivitization. Methods Enzymol. 2014;536:87-94.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA