

## Vari Fluor 555-Streptavidin

|           |  |
|-----------|--|
| Cat. No.: | HY-D1807   |
| Target:   | Fluorescent Dye  |
| Pathway:  | Others   |
| Storage:  | -20°C, protect from light<br>* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light) |

### BIOLOGICAL ACTIVITY

|                    |  |
|--------------------|--|
| <b>Description</b> | Vari Fluor 555-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=555 nm/565 nm.  |
| <b>In Vitro</b>    | <p><b>General Protocol</b></p> <p>1. Protein treatment<br/>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<br/>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><br/>-20°C,<br/>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.

---

**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