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Vari Fluor 488-Streptavidin

Cat. No.:	HY-D1808
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

Description	Vari Fluor 488-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=490 nm/515 nm.
In Vitro	<p>General Protocol</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>Storage -20°C, Protect from light</p> <p>Precautions</p> <ol style="list-style-type: none">1. The actual content of the dye is small, dissolve it directly in the tube after receiving it for experiments.2. Before use, please centrifuge the product to the bottom of the tube instantaneously before subsequent experiments.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.4. For your safety and health, please wear lab coat and disposable gloves. <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.

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