

Vari Fluor 555-Streptavidin

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: **Keep away from direct sunlight**
 Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	<p>Vari Fluor 555-Streptavidin is a dye from the Vari Fluor series, designed by labeling streptavidin with fluorescent probes. Streptavidin is a tetrameric protein with high affinity, comprised of four identical subunits, and it can specifically bind to biotin through reversible non-covalent interactions. This property allows streptavidin to enable the rapid and efficient detection of biotin-labeled molecules, making it a valuable tool in experiments such as immunofluorescence (IF), enzyme-linked immunosorbent assays (ELISA), immunohistochemical staining (IFH), and in situ hybridization. The excitation/emission wavelengths are 555 nm/565 nm.</p>
Targets(IC50)	Others
In vitro	<p>Instructions for Use:</p> <ol style="list-style-type: none"> 1. Protein Treatment: Prior to use, centrifuge at 5000× g for 3 minutes and employ only the supernatant for experiments to eliminate protein aggregates, thereby reducing nonspecific background staining. 2. Labeling: Dilute Vari Fluor-Streptavidin in a range of 1:500 to 1:1000 before application; adjustment may be necessary depending on the particular protein or antibody. <p>Storage Conditions: Store at 4°C in a light-protected environment.</p> <p>Precautions:</p> <ol style="list-style-type: none"> 1. Due to the minimal actual dye content, dissolve immediately upon receipt for experimentation. 2. Before use, momentarily centrifuge the product to the bottom of the tube before proceeding with subsequent experiments. 3. This product is intended solely for scientific research by professionals and must not be used for clinical diagnosis, treatment, food, or pharmaceuticals. <p>For your safety and health, wear a lab coat and disposable gloves during handling.</p> <p>The above information is based on published literature. Experimental procedures should be appropriately modified to meet specific research demands.</p>

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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