

FITC Conjugated Avidin

Summary:

Cat. Number: SF065

Quantity size: 0.1mL/1mL

Concentration: 1-2mg/mL Buffer=0.01M PBS (pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

Storage: Shipped at 4°C, Store at -20°C at least one year. (Avoid repeated freeze/thaw cycles).

Background:

Avidin is a tetrameric protein with a size of 66KDa. One avidin can bind to four submit of biotin. The FITC-labeled avidin developed by solarbio have strong binding power with biotin-labeled antibody. FITC label reagent diluent: PBS or TBS buffer, add reagent grade BSA to 1%. Use the above diluent, the immunofluorescence method is diluted 1:50-1:200, the specific dilution must be determined in advance. The diluted solution should be used on the same day, and the unused solution should be discarded.

Application:

IF=1:50-200

Excitation spectrum: 495nm

Emission spectrum: 525nm

Not yet tested in other applications.

Potency is subject to the product label. Optimal working dilutions must be determined by the end user.

Related products:

SPA131 Goat anti-mouse IgG (purified)

SF134 Goat anti-rabbit IgG-FITC

SE237 Rabbit anti-pig IgG-HRP

A1820 HRP-labeled antibody dilution

Related literature:

- [1] Wenjie Liu et al. An artificial intelligence process of immunoassay for multiple biomarkers based on logic gates. *Analyst*. November 2020 (IF=4.033)
- [2] Chun Liufu et al. Synergistic ultrasonic biophysical effect-responsive nanoparticles for enhanced gene delivery to ovarian cancer stem cells. *Drug Delivery*. July 2020 (IF=4.92)
- [3] Xuanxuan Wang et al. LINP1 facilitates DNA damage repair through non-homologous end joining (NHEJ) pathway and subsequently decreases the sensitivity of cervical cancer cells to ionizing radiation. *Cell Cycle*. June 2018 (IF=3.645)

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.