

## FITC Conjugated Antibody

### Summary:

**Quantity size:** 0.3ml/3.0ml

**Concentration:** 3-5mg/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).

**Purification method:** Protein A/G

### Background:

FITC conjugated antibody is a kind of immunochemistry reagents widely used in immunology, molecular biology and various branches of clinical medicine. The various fluorescein-labeled antibodies developed by Solarbio are all self-prepared immune serums. The immune serums are purified by affinity chromatography to obtain high-purity IgG. Using direct labeling method, the FITC is covalently cross-linked to the lysine group of the antibody IgG molecule.

### Application:

IF=1:50-500

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)

SA134 Goat anti-rabbit IgG (immune serum)

SF134 Goat anti-rabbit IgG-FITC

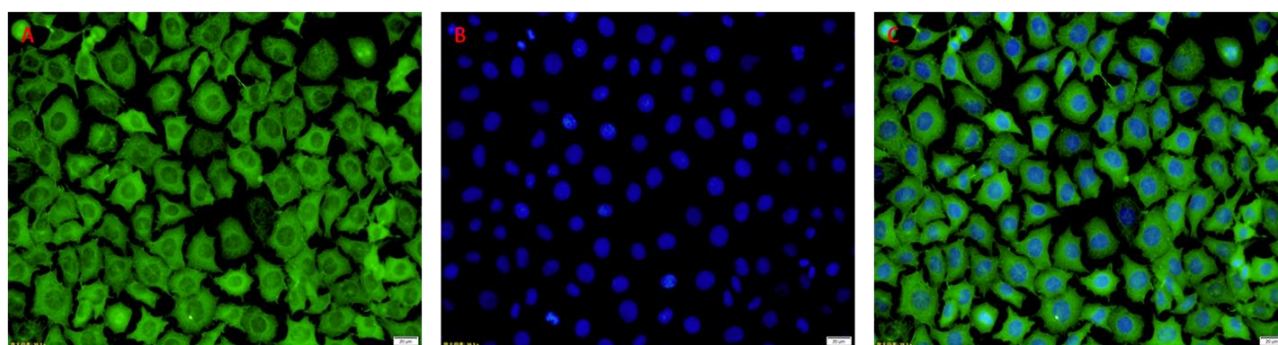
SE237 Rabbit anti-pig IgG-HRP

A1840 Fluorescent Antibody Dilution Buffer

S2100 Mounting Medium, antifading

### Related literature:

- [1] Yuanfeng Li, Linzhu Su, Yongxin Zhang et al. A Guanosine-Quadruplex Hydrogel as Cascade Reaction Container Consuming Endogenous Glucose for Infected Wound Treatment — A Study in Diabetic Mice. January 2022. (IF 16.806)
- [2] Mengxue Peng, Jiawei Liu et al. Probiotic Bacillus subtilis CW14 reduces disruption of the epithelial barrier and toxicity of ochratoxin A to Caco-2 cells. Food and Chemical Toxicology. April 2019. (IF 3.775)
- [3] Yaxian Zheng, Jiawei Wu, Wei Shan, et al. Multifunctional Nanoparticles Enable Efficient Oral Delivery of Biomacromolecules via Improving Payload Stability and Regulating the Transcytosis Pathway. ACS Applied Materials & Interfaces. September 2018. (IF 8.456)
- [4] Daishun Liu, Qian Chen, Honglan Zhu, et al. Association of Respiratory Syncytial Virus Toll-Like Receptor 4-Mediated Immune Response with COPD Exacerbation Frequency. Inflammation. December 2017. (IF 2.939)
- [5] Bingbing Ning, Yong Zhang, Dandan Wu, et al. Luteolin-7-diglucuronide attenuates isoproterenol-induced myocardial injury and fibrosis in mice. Acta Pharmacologica Sinica. March 2017. (IF 2.354)

**Product Image:**

Immunofluorescence analysis of Goat anti-mouse IgG/FITC (SF131) was performed using SHSY5Y cells stained with Anti- $\beta$ -Tubulin Monoclonal Antibody (K200059M). The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton X-100 for 10 minutes, blocked with 1% BSA for 1 hour and labeled with Anti- $\beta$ -Tubulin Monoclonal Antibody for 2 hours at room temperature. Goat anti-mouse IgG/FITC (SF131) was used at 1:200 in phosphate buffered saline containing 0.2% BSA for 45 minutes at room temperature, for detection of  $\beta$ -Tubulin in the cytoplasm (green). Nuclei (blue) were stained with DAPI (C0065).

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