

RBITC 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:

RBITC conjugated antibody is a kind of immunochemistry reagents widely used in immunology, molecular biology and various branches of clinical medicine. The various RBITC-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 RBITC is covalently cross-linked to the lysine group of the antibody IgG molecule.

Application:

IF=1:50-500

Excitation spectrum:560nm

Emission spectrum: 600nm

Not yet tested in other applications.

Dilution 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

SR137 Goat anti-pig IgG-RBITC

SE237 Rabbit anti-pig IgG-HRP

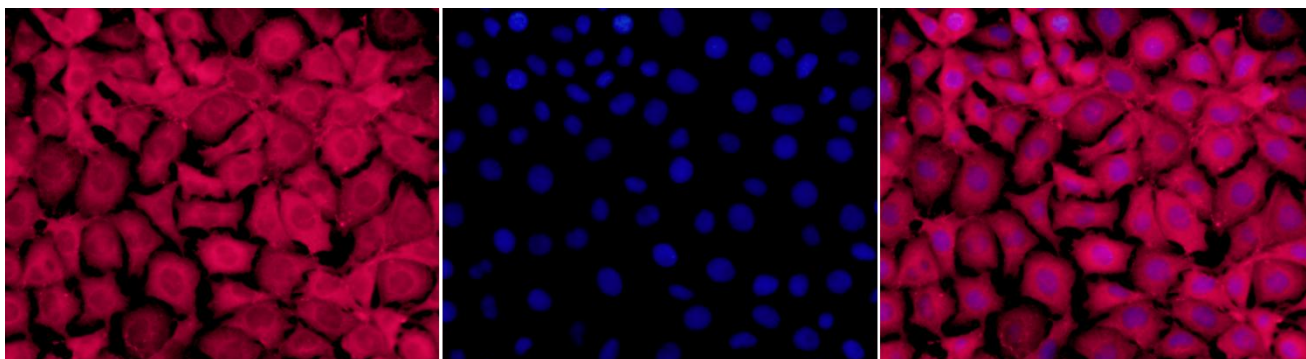
A1840 Fluorescent Antibody Dilution Buffer

S2100 Mounting Medium, antifading

Related literature:

- [1] Jun Pu, Ting Li, Nanjing Liu et al. PLC ϵ knockdown enhances the radiosensitivity of castration-resistant prostate cancer via the AR/PARP1/DNA-PKcs axis. *Oncology Reports*. February 2020. (IF=3.05)
- [2] Bei Xie, Lei Zhao, Lanlan Guo et al. Benzyl isothiocyanate suppresses development and metastasis of murine mammary carcinoma by regulating the Wnt/ β -catenin pathway. *Molecular Medicine Reports*. June 2019. (IF=2.1)

Product Image:



Immunofluorescence analysis of Goat anti-mouse IgG/RBITC (SR131) was performed using SHSY5Y cells stained with Anti- β -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- β -Tubulin Monoclonal Antibody for 2 hours at room temperature. Goat anti-mouse IgG/RBITC (SR131) was used at 1:200 in phosphate buffered saline containing 0.2% BSA for 45 minutes at room temperature, for detection of β -Tubulin in the cytoplasm (green). Nuclei (blue) were stained with DAPI (Product # C0065).

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