Super Sensitive TRITC IF Detection System Kit (Goat Anti-Mouse) User Manual

Catalog # CRG1010

Used for single, double and triple immunofluorescence detection.

For research use only. Not for diagnostic or therapeutic procedures.

I. INTRODUCTION

Super Sensitive TRITC IF Detection System Kit is a non-biotin, one-step detection system that allows for the demonstration of antigens in paraffin-embedded tissue, cryostat sections, and cell preparations. This kit has been developed using a proprietary hyper labeling technology used to label IgG directly with more Tetramethylrhodamine (TRITC). One step polymer system provides increased sensitivity, time savings and detection simplicity. All the components contain with PBS, proteins, stabilizers and preservatives. This kit is suitable for single, double and triple immunofluorescence detect. The color is emerald red with a correct result. The TRITC is easily faded with light; all experiment process need keep away from light.

II. KIT COMPONENTS

Component	Volume	Storage
Blocking Buffer	10 ml x 1	2 to 8 °C
Antibody Solution Buffer	10 ml x 1	2 to 8 °C
Anti-Mouse IgG-TRITC	50 µl x 1	2 to 8 °C
Anti-Fading Buffer	10 ml x 1	2 to 8 °C
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III. STORAGE AND STABILITY

All kit components are stable at 2 to 8 °C. Each component is stable for up to 12 months.

IV. PROCEDURE

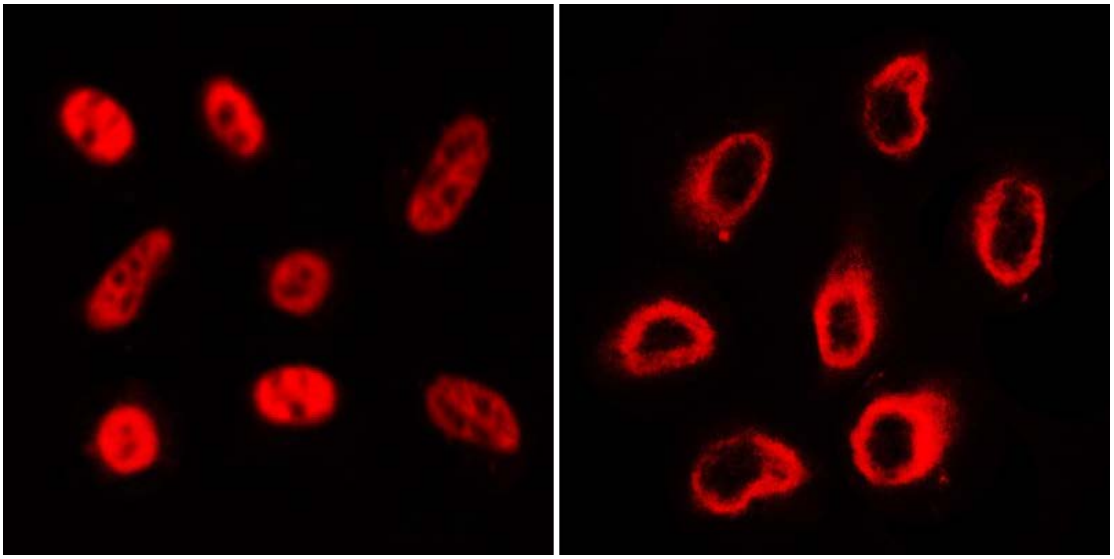
1. Deparaffinize and rehydrate tissue section; PBS/TBS wash 3 times for 3 minutes each time;
2. Incubate tissue in appropriate pretreatment or digestive enzyme if required for primary antibody; and PBS/TBS wash 3 times for 3 minutes each time;
3. Apply Blocking Buffer and incubate for 5 minutes, PBS/TBS wash 3 times for 3 minutes each time (May be omitted if primary antibodies are diluted in buffers containing normal goat serum);
4. Apply primary antibody and incubate according to manufacturer's recommended protocol, PBS/TBS wash 3 times for 3 minutes each time;
5. Add 5 - 10 µl Anti-Mouse IgG-TRITC to 1 ml Antibody Solution Buffer and vibrate; then add that antibody solution to the sections and incubate for 30 - 60 minutes, PBS/TBS wash 3 times for 3 minutes each time;

NOTE: TRITC is light sensitive. Please avoid unnecessary light exposure.

6. Apply the Anti-Fading Buffer, and cover the microscope cover glass for observation.

NOTE: It’s better for observation and operation when the section is dried in no dark box before adding anti-fading buffer.

V. DATA



Immunofluorescent analysis staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5 - 10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber, and detected using Super Sensitive TRITC IF Detection System Kit.

VI. TECHNICAL SUPPORT

For troubleshooting, information or assistance, please go online to www.cohesionbio.com or contact us at techsupport@cohesionbio.com

VII. NOTES