

LongFluo™ Antifade Mountant Medium, with DAPI

Cat #: D-ABM104

Size: 10mL / 50mL

Storage: Stored at -20°C for 12 months, protected from light

Assay Principle

Fluorescence quenching refers to the irreversible degradation of fluorescent molecules due to environmental factors such as light, pH, temperature, or interactions with other molecules. This phenomenon leads to a reduction in the intensity of the visible signal observed through fluorescence microscopy and laser confocal microscopy. However, the use of an antifade mounting medium can effectively prevent the quenching of the fluorescence signal, maintaining its brightness and stability.

LongFluo™ Antifade Mountant Medium, with DAPI is used to seal fluorescent tissue and cell samples with DAPI and unique anti-fluorescence quencher ingredients and compatible with a variety of fluorescent dyes to protect the entire visible and infrared spectrum and prevent fluorescence signal quenching. The original luminescence intensity can be maintained more than 2 weeks when the sample is stored at 4°C or -20°C.

Features & Benefits

- Strong anti-fluorescence quenching effect: Stored away from light for more than 2 weeks, the original luminous intensity can still be maintained.
- High compatibility: The carefully optimized formula is compatible with a variety of fluorescent dyes.
- Easy to operate: Ready-to-use, no configuration required.

Assay Procedure

I Adherent cells:

1. After dyeing, suck up the liquid.

2. Add a drop of LongFluo™ Antifade Mountant Medium with DAPI on the glass slide, coat the cover glass with the cells, and let the cells contact the mounting fluid, and try to avoid air bubbles.
3. Then you can observe the cell samples under the fluorescence microscope.

II Tissue slices:

1. After dyeing, suck up the liquid.
2. Add a drop of LongFluo™ Antifade Mountant Medium with DAPI on the tissue slice, coat it with a cover glass, let the slice touch the mounting fluid, and try to avoid air bubbles.
3. Then you can observe the tissue slices under the fluorescence microscope.

Data

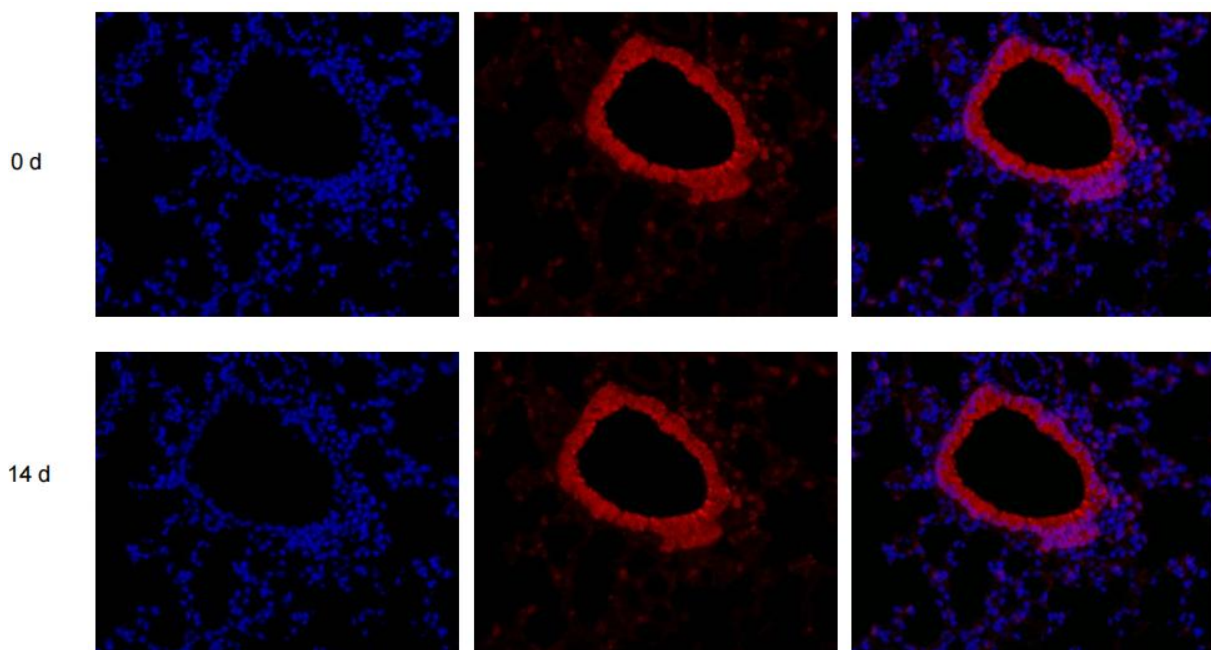


Fig. Displays the utilization of the LongFluo™ Antifade Mountant Medium in conjunction with DAPI staining on paraffin sections of mouse lung tissue.

Disclaimer

The reagent is only used in the field of scientific research, not suitable for clinical diagnosis or other purposes.