



## SuperKine™ Enhanced Antifade Mounting Medium with DAPI

Cat #: BMU107-EN

Size: 10 mL/50 mL

	<b>Enhanced Antifade Mounting Medium with DAPI</b>		
<b>REF</b>	Cat #: BMU107-EN	<b>LOT</b>	Lot #: Refer to product label
	<b>Applicable samples:</b> Fluorescence mount		
	<b>Storage:</b> Stored at -20°C for 12 months, protected from light		

### Assay Principle

The irreversible destruction of fluorescent molecules caused by environmental influences such as light, pH and temperature, or the interaction of fluorescent molecules with other molecules is fluorescence quench. Fluorescence quench results in the weakening of the visible signal when observed by fluorescence microscope and laser confocal microscope. Thus, SuperKine™ Enhanced Antifade Mounting 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.

Unique Advantage	Mechanism	Application experience
Strong anti-fluorescence quenching effect	Add unique anti-fluorescence quenching ingredients	Keep away from light for more than 2 weeks
Good compatibility	Contain universal broad-spectrum reagents	DAPI/FITC/Cy3/Cy5/Dylight/Alexa (488 /549 /594/649) and other dyes are compatible
High security	Non-toxic substances	No harm to the experimental samples and the health of the operator

### Assay Procedure

#### I Adherent cells:

1. After dyeing, suck up the liquid.
2. Add a drop of Enhanced Antifade Mounting 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 Enhanced Antifade Mounting 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.

#### III Other samples:

For other samples, refer to cell samples or tissue slices for manipulation.

**Strawberry moment:** In order to prolong the fluorescence quenching time, in addition to using anti-fluorescence quenching agent to prevent fluorescence quenching, the stability of antibody and fluorescence itself are also very important. Abbkine provides a variety of high-quality coupling agents (Cat #: KTL0521, KTL0210, etc.) and fluorescent secondary antibodies (Cat #: A24221, A24421, A24231, A24411, etc.). Scan the QR code on the right and follow the Abbkine official account to learn more about Abbkine products.



## Typical Data

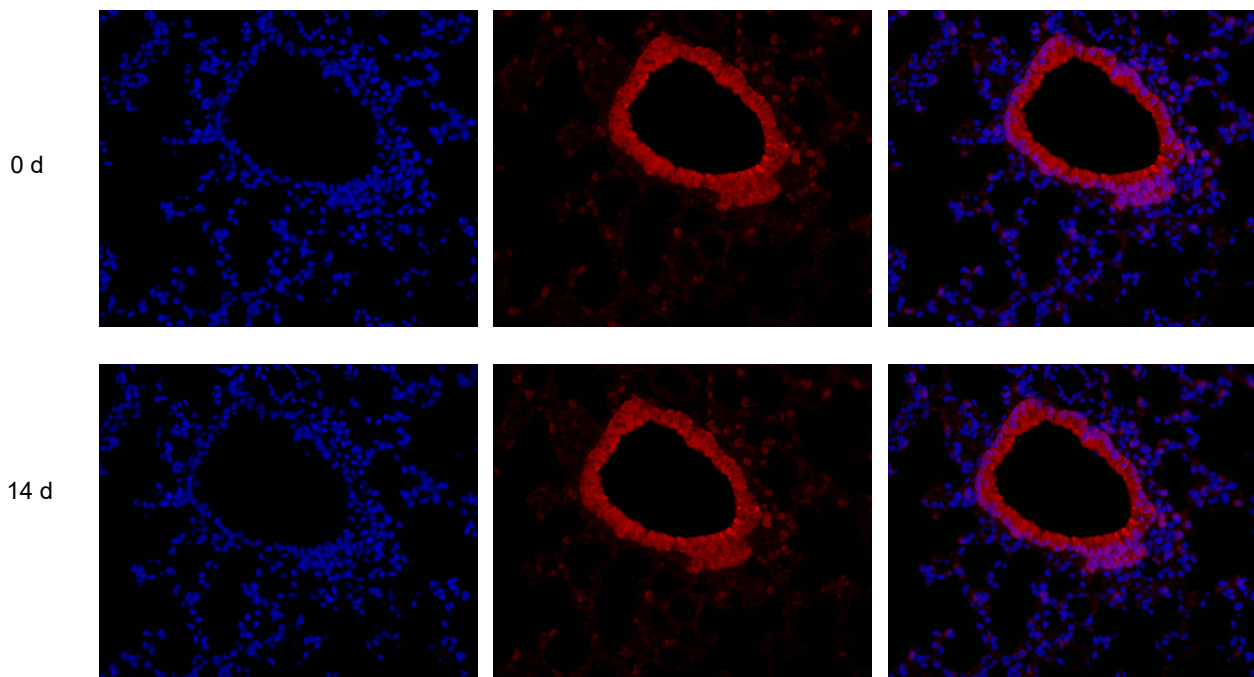


Figure. Enhanced Antifade Mounting Medium with DAPI on paraffin sections of mouse lung tissue. Primary antibody CD34 (Cat #: ABP0068, dilution ratio 1:200), Dylight 594, Goat Anti-Rabbit IgG (Cat #: A23420, dilution ratio 1:200).

## Precautions

1. Fluorescent substances are prone to quenching, so stained samples should be stored away from light.
2. In the case of using Enhanced Antifade Mounting Medium with DAPI, quenching can be slowed down, but it is still advisable to avoid light and take pictures as soon as possible.

## Recommended Products

Catalog No.	Product Name	Recommended Reason
KTL0521	LinKine™ AbFluor™ 488 Labeling Kit (Optimized for samples with molecular weight of 6 KD to 20 KD)	High coupling efficiency and strong brightness
A24221	IFKine™ Green Donkey Anti-Rabbit IgG	Brightness, high light stability, low background
A24421	IFKine™ Red Donkey Anti-Rabbit IgG	Brightness, high light stability, low background

## Disclaimer

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