


Shining Living Cells Imaging, Let Cells Bloom Life Brilliance!

## Colorful Cell Staining Application Tools

Cell staining and tracer reagents are important tools for tracking cells in complex environments and are widely used in research on cell migration, wound healing and stem cell differentiation. Abbkine provides you with unique long term super resolution TraKine™ Pro living cell staining reagents, traditional and widely used TraKine™ series cell staining kits and fluorescent dye series with strong photostability & low toxicity to meet most needs of cytology users.



Abbkine TraKine™ Pro Live-cell Tubulin-tracker kit (Green Fluorescence) is a fluorescent imaging tool for mammalian living cells tubulin staining with high specificity and low background. Particularly suitable for confocal and long term super resolution imaging (such as SIM, STED, TIRF, STORM, and PALM), the product has been tested in cell lines such as U2OS, all enabling living cell labeling.

 Cat. NO. KTC4100 | Size: 50 T/250 T

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 TraKine™ Pro Live-Cell Staining Kits 

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 TraKine™ Series Cell Staining Kits

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 Fluorescent Dye Series/CCK8  
/Cell Freezing Medium

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## TraKine™ Pro Live-cell Tubulin-traker Kit (Green Fluorescence)

TraKine™ Pro is a series of long term super resolution cell staining imaging combinations used to label sub cellular structures of living cells. The unique fluorescent dyes combined with super resolution microscopy (such as SIM, STED, TIRF, STORM, PALM) can achieve perfect observation of dynamic three-dimensional space in cells. Real cell structures and vivid colors jumps out!

### Product Advantages and Features

- ★ Especially suitable for living cell research under long term super resolution microscope (such as SIM, STED, TIRF, STORM, PALM), it's an ideal choice for observing cell dynamics in three-dimensional space.
- ★ Fluorescence can last for several hours in living cells and is stable, is suitable for dynamic monitoring of living cells.
- ★ Safety, almost no cytotoxicity.
- ★ Proprietary fluorescent probes are specially optimized, including fluorescent dyes and small molecular groups that specifically recognize organelles, probes have high specificity, low background, excellent photostability and good cell permeability.
- ★ Optimized staining protocol for labeling subcellular structures of mammalian living cells.
- ★ Elaborate verifications, the product has been tested in various cell lines such as U2OS, all of which can achieve living cell labeling.

### Experimental Results Show

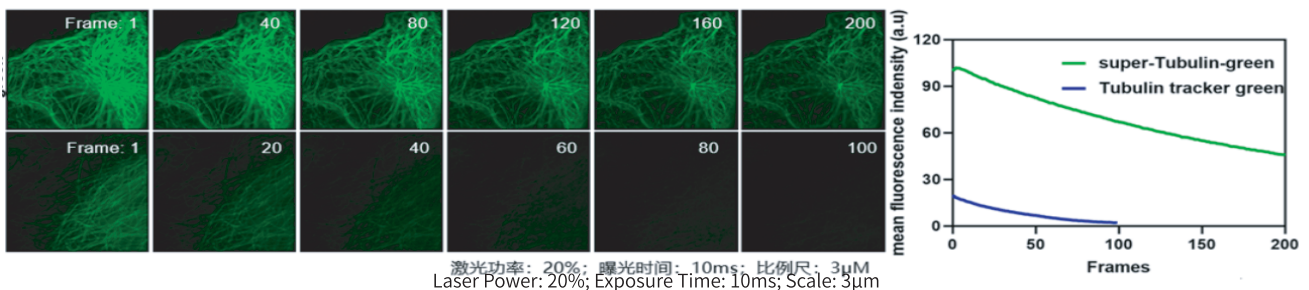


Fig1. Comparison of the fluorescent performance of TraKine™ Pro Live-cell Tubulin-traker kit (Green Fluorescence) with commercially available Tubulin Tracker Green: Under HiS-SIM super-resolution microscope and Spining Disk confocal microscope imaging with the same shooting parameters, it can be seen that Super Tubulin-Green has good labeling effect, strong anti-bleaching ability, high specificity, and low background.

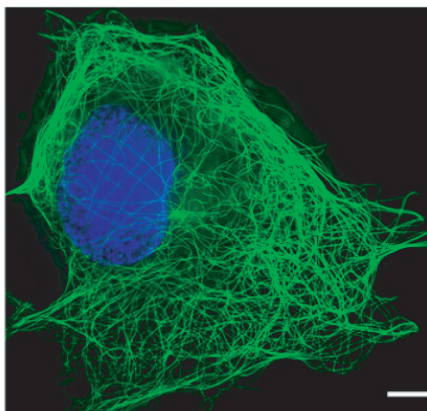


Fig2. The imaging effect of TraKine™ Pro Live-cell Tubulin-traker kit (Green Fluorescence) imaging result.

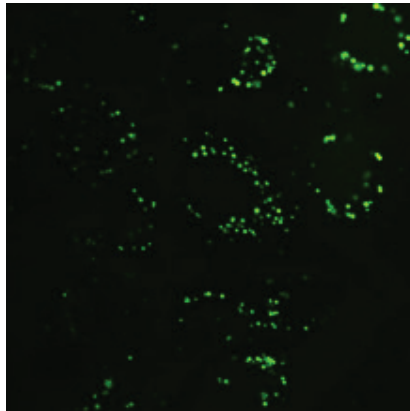


Fig3. TraKine™ Pro Live-cell Lyso-traker kit (Green Fluorescence) imaging result.

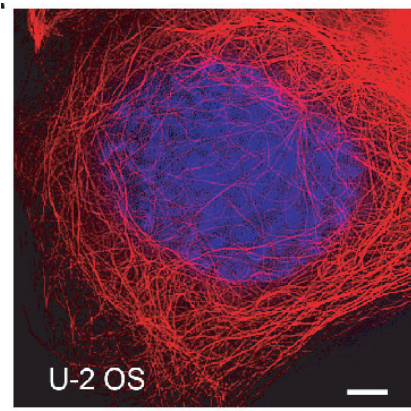


Fig4. TraKine™ Pro Live-cell Tubulin-traker kit (Red Fluorescence) imaging result.

## Order Information

Product Name	Cat No.	Dye Ex/Em (nm)	Size
TraKine™ Pro Live-cell Tubulin-traker kit (Green Fluorescence)	KTC4100	490/525	50 T/250 T
TraKine™ Pro Live-cell Tubulin-traker kit (Red Fluorescence)	KTC4110	564/590	50 T/250 T
TraKine™ Pro Live-cell Lyso-traker kit (Green Fluorescence)	KTC4200	500/520	50 T/250 T
TraKine™ Pro Live-cell Lyso-traker kit (Red Fluorescence)	KTC4210	652/674	50 T/250 T

## TraKine™ Series Cell Staining Kits

Abbkine TraKine™ Cell Staining Kit is a set of traditional fluorescent imaging tools for staining whole cells and organelles (including cell membranes, mitochondria, etc.), suitable for staining living cells, fixed cells, suspension cells or attached cells, and can be used for fluorescence platforms such as fluorescence microscopes and flow cytometers.

### Product Advantages and Features

- ★ Able to uniformly stain cell membranes in a variety of mammalian cell types, including live and fixed cells, suspension cells or adherent cells.
- ★ The kit is optimized for various fluorescence analysis platforms and has wide applicability, such as fluorescence microplate analysis, flow cytometry and fluorescence microscope, etc.
- ★ Professional fluorescent dyes, easy to combine with specific structural regions of cells, with bright fluorescence and stable existence.

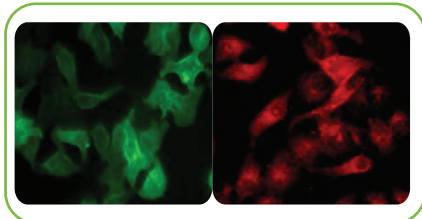


Fig5. TraKine™ Cell Plasma Membrane Staining Kit staining result

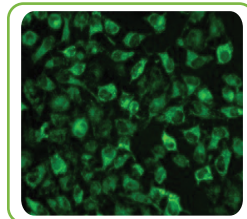


Fig6. TraKine™ Mitochondrion Staining Kit (Green Fluorescence) staining result

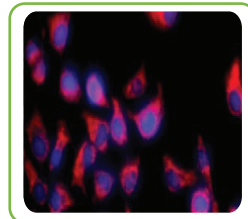


Fig7. TraKine™ Mitochondrion and Nuclear Staining Kit staining result

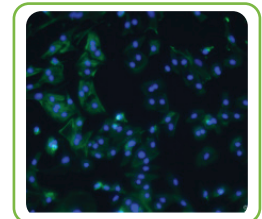


Fig8. TraKine™ F-actin Staining Kit (Green Fluorescence) staining result

## Order Information

Product Name	Cat No.	Size
TraKine™ Cell Plasma Membrane Staining Kit (Green Fluorescence)	KTC4001	100 T/500 T/2000 T
TraKine™ Cell Plasma Membrane Staining Kit (Orange Fluorescence)	KTC4002	100 T/500 T/2000 T
TraKine™ Mitochondrion Staining Kit (Green Fluorescence)	KTC4003	100 T/500 T/2000 T
TraKine™ Mitochondrion Staining Kit (Orange Fluorescence)	KTC4004	100 T/500 T/2000 T
TraKine™ Mitochondrion and Nuclear Staining Kit	KTC4005	100 T/500 T/2000 T
TraKine™ F-actin Staining Kit (Green Fluorescence)	KTC4008	50 T/300 T/1000 T
TraKine™ F-actin Staining Kit (Orange Fluorescence)	KTC4009	50 T/300 T/1000 T

## Fluorescent Dye Series

For different dyeing parts, Abbkine provides fluorescent dyes with strong light resistance and low toxicity, such as Phalloidin, Cy3, Cy5 dyes, DAPI, etc.

Product Name	Cat No.	Size
Cy3	BMD0050	5 mg/50 mg
Ethidium Homodimer-1 (EthD-1)	BMD0060	1 mg/10 mg
Hoechst 33342	BMD0062	10 mg/100 mg
Hoechst 33258	BMD0061	10 mg/100 mg
DAPI	BMD0063	10 mg/100 mg
Calcein AM	BMD0064	1 mg/10 mg
5(6)-CFDA, SE	BMD0066	5 mg/50 mg
DiI (DiIC18(3))	BMD0071	10 mg
DiO (DiOC18(3))	BMD0072	10 mg
DiD (DiIC18(5))	BMD0073	10 mg
DiR (DiIC18(7))	BMD0074	5 mg
AbFluor™ 488-Phalloidin	BMD0082	500 T
AbFluor™ 555-Phalloidin	BMD0083	500 T
AbFluor™ 594-Phalloidin	BMD0084	500 T

## Abbkine also offers other common reagents related to cell culture applications

Product Name	Cat. No.	Size	Flash sale	Market Price(\$)
SuperKine™ Serum/Protein-Free Cell Freezing Medium	BMU108-CN	100 mL	<b>\$109</b>	<del>\$270/100 mL</del>
SuperKine™ Maximum Sensitivity Cell Counting Kit-8 (CCK-8)	BMU106-CN	200 T/1000 T/10000 T	<b>\$29/\$69/\$529</b>	<del>400/1000 T, 1200/10000 T</del>

## Application for free Trials!

Product Name	Cat. No.	Size
SuperKine™ Maximum Sensitivity Cell Counting Kit-8 (CCK-8)	BMU108-EN	10 mL
SuperKine™ Serum/Protein-Free Cell Freezing Medium	BMU106-EN-s	25 T

### Abbkine Scientific Ltd

As the world's unique cell and protein product portfolio supplier, we provide basic tools and solutions in the fields of protein extraction and purification, immunoassays, cell culture separation, and metabolic analysis. Abbkine is committed to customer's success and excellence.

The product listed herein is for research use only and is not intended for use in human or clinical diagnosis.

